

***ARMY TM 9-2815-254-24P
AIR FORCE TO 38G1-94-2**

**TECHNICAL MANUAL
FIELD AND SUSTAINMENT
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
DIESEL ENGINE, FOUR-CYLINDER,
FOUR CYCLE, FUEL INJECTED
C-240PW-28
(NSN: 2815-01-350-2207)**

***SUPERSEDURE NOTICE** - This manual supersedes TM 9-2815-254-24P and TO 38G1-94-4 dated 30 October 1996. Date of issue for the revised manual is: 15 June 2010.

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**HEADQUARTERS,
DEPARTMENTS OF THE ARMY AND AIR FORCE
WASHINGTON, D.C., 15 JUNE 2010**

TECHNICAL MANUAL

**FIELD AND SUSTAINMENT
REPAIR PARTS AND SPECIAL TOOLS LIST**

**DIESEL ENGINE, FOUR-CYLINDER,
FOUR CYCLE, FUEL INJECTED
C-240PW-28
(NSN: 2815-01-350-2207)**

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- (a) (A) Army - Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), located in the back of this manual, directly to: Commander, U.S. Army CECOM (LCMC) and Fort Monmouth, ATTN: AMSEL-LC-LEO-E-CM, Fort Monmouth, NJ 07703-5006. You may also send in your recommended changes via electronic mail or by fax. Our fax number is 732-532-3421, DSN 992-3421. Our e-mail address is MONM-AMSELLEOPUBSCHG@conus.army.mil. Our online web address for entering and submitting DA Form 2028s is <http://edm.monmouth.army.mil/pubs/2028.html>.
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A reply will be furnished to you.

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CHAPTER 1

**FIELD AND SUSTAINMENT REPAIR PARTS AND SPECIAL
TOOLS LIST**

FOR

**DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE,
FUEL INJECTED
C-240PW-28
(NSN: 2815-01-350-2207)**

CHAPTER 1

PARTS INFORMATION

WORK PACKAGE INDEX

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FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28 REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL) INTRODUCTION

INTRODUCTION

SCOPE

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of field and sustainment maintenance of the Diesel Engine, Model C-240PW-28. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) codes.

GENERAL

In addition to the Introduction work package, this RPSTL is divided into the following work packages.

1. Repair Parts List Work Packages. Work packages containing lists of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. These work packages also include parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Sending units, brackets, filters, and bolts are listed with the component they mount on. Bulk materials are listed by item name in FIG. BULK at the end of the work packages. Repair parts kits are listed separately in their own functional group and work package. Repair parts for repairable special tools are also listed in a separate work package. Items listed are shown on the associated illustrations.
2. Special Tools List Work Packages. Work packages containing lists of special tools, special TMDE, and special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in the DESCRIPTION AND USABLE ON CODE (UOC) column). Tools that are components of common tool sets and/or Class VII are not listed.
3. Cross-Reference Indexes Work Packages. There are 2 Cross-Reference indexes work packages in this RPSTL: the National Stock Number (NSN) Index work package, and the Part Number (P/N) Index work package. The National Stock Number Index work package refers you to the figure and item number. The Part Number Index work package refers you to the figure and item number.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES

ITEM NO. (Column (1)). Indicates the number used to identify items called out in the illustration.

SMR CODE (Column (2)). The SMR code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout. This entry may be subdivided into 4 subentries, one for each service.

Table 1. SMR Code Explanation.

<u>Source Code</u>	<u>Maintenance Code</u>	<u>Recoverability Code</u>
<u>XX</u>	<u>XX</u>	<u>X</u>
1st two positions: How to get an item.	3rd position: Who can install, replace, or use the item.	4th position: Who can do complete repair* on the item.
		5th position: Who determines disposi- tion action on unservice- able items.

*Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

Source Code. The source code tells you how you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow:

<u>Source Code</u>	<u>Application/Explanation</u>
PA	NOTE Items coded PC are subject to deterioration.
PB	Stock items; use the applicable NSN to requisition/request items with these source codes. They are authorized to the level indicated by the code entered in the third position of the SMR code.
PC	
PD	
PE	
PF	
PG	
PH	
PR	
PZ	
KD	Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance level indicated in the third position of the SMR code. The complete kit must be requisitioned and applied.
KF	
KB	
MF-Made at field	Items with these codes are not to be requisitioned/requested individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the bulk material group work package of the RPSTL. If the item is authorized to you by the third position code of the SMR code, but the source code indicates it is made at higher level, order the item from the higher level of maintenance.
MH-Made at below depot/sustainment level	
ML-Made at SRA	
MD-Made at depot	
MG-Navy only	
AF-Assembled by field	Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the third position of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.
AH-Assembled by below depot sustainment level	
AL-Assembled by SRA	
AD-Assembled by depot	
AG-Navy only	
XA	Do not requisition an "XA" coded item. Order the next higher assembly. (Refer to NOTE below.)
XB	If an item is not available from salvage, order it using the CAGEC and part number.
XC	Installation drawings, diagrams, instruction sheets, field service drawings; identified by manufacturer's part number.
XD	Item is not stocked. Order an XD-coded item through local purchase or normal supply channels using the CAGEC and part number given, if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes except for those items source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

Maintenance Code. Maintenance codes tell you the level(s) of maintenance authorized to use and repair support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

Third Position. The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to the following levels of maintenance:

Maintenance Code Application/Explanation

- | | |
|-----|--|
| F - | Field maintenance can remove, replace, and use the item. |
| H - | Below Depot Sustainment maintenance can remove, replace, and use the item. |
| L - | Specialized repair activity can remove, replace, and use the item. |
| G - | Afloat and ashore intermediate maintenance can remove, replace, and use the item (Navy only) |
| K - | Contractor facility can remove, replace, and use the item. |
| Z - | Item is not authorized to be removed, replaced, or used at any maintenance level |
| D - | Depot can remove, replace, and use the item. |

*NOTE - Army may use C in the third position. However, for joint service publications, Army will use O.

Fourth Position. The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (perform all authorized repair functions).

NOTE

Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.

Maintenance Code Application/Explanation

- | | |
|-----|---|
| F - | Field is the lowest level that can do complete repair of the item. |
| H - | Below Depot Sustainment is the lowest level that can do complete repair of the item. |
| L - | Specialized repair activity is the lowest level that can do complete repair of the item. |
| D - | Depot is the lowest level that can do complete repair of the item. |
| G - | Both afloat and ashore intermediate levels are capable of complete repair of item. (Navy only) |
| K - | Complete repair is done at contractor facility |
| Z - | Nonreparable. No repair is authorized. |
| B - | No repair is authorized. No parts or special tools are authorized for maintenance of "B" coded item. However, the item may be reconditioned by adjusting, lubricating, etc., at the user level. |

Recoverability Code. Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is shown in the fifth position of the SMR code as follows:

<u>Recoverability Code</u>	<u>Application/Explanation</u>
Z -	Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the third position of the SMR code.
F -	Reparable item. When uneconomically repairable, condemn and dispose of the item at the field level.
H -	Reparable item. When uneconomically repairable, condemn and dispose of the item at the below depot sustainment level.
D -	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item are not authorized below depot level.
L -	Reparable item. Condemnation and disposal not authorized below Specialized Repair Activity (SRA).
A -	Item requires special handling or condemnation procedures because of specific reasons (such as precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.
G -	Field level repairable item. Condemn and dispose at either afloat or ashore intermediate levels. (Navy only)
K -	Reparable item. Condemnation and disposal to be performed at contractor facility.

NSN (Column (3)). The NSN for the item is listed in this column.

CAGEC (Column (4)). The Commercial and Government Entity Code (CAGEC) is a five-digit code which is used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

PART NUMBER (Column (5)). Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When you use an NSN to requisition an item, the item you receive may have a different part number from the number listed.

DESCRIPTION AND USABLE ON CODE (UOC) (Column (6)). This column includes the following information:

1. The federal item name, and when required, a minimum description to identify the item.
2. Part numbers of bulk materials are referenced in this column in the line entry to be manufactured or fabricated.
3. Hardness Critical Item (HCI). A support item that provides the equipment with special protection from electromagnetic pulse (EMP) damage during a nuclear attack.
4. The statement END OF FIGURE appears just below the last item description in column (6) for a given figure in both the repair parts list and special tools list work packages.

QTY (Column (7)). The QTY (quantity per figure) column indicates the quantity of the item used in the breakout shown on the illustration/figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column instead of a quantity indicates that the quantity is variable and quantity may change from application to application.

EXPLANATION OF CROSS-REFERENCE INDEXES WORK PACKAGES FORMAT AND COLUMNS

1. National Stock Number (NSN) Index Work Package. NSN's in this index are listed in National Item Identification Number (NIIN) sequence.

STOCK NUMBER Column. This column lists the NSN in NIIN sequence. The NIIN consists of the last nine digits of the NSN. When using this column to locate an item, ignore the first four digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

For example, if the NSN is 5385-01-574-1476, the NIIN is 01-574-1476.

FIG. Column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in the repair parts list and special tools list work packages.

ITEM Column. The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.
2. Part Number (P/N) Index Work Package. Part numbers in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combinations which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

PART NUMBER Column. Indicates the part number assigned to the item.

FIG. Column. This column lists the number of the figure where the item is identified/located in the repair parts list and special tools list work packages.

ITEM Column. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

SPECIAL INFORMATION

UOC. The UOC appears in the lower left corner of the Description Column heading. Usable on codes are shown as "UOC: ..." in the Description Column (justified left) on the first line under the applicable item/nomenclature. Uncoded items are applicable to all models. Identification of the UOCs used in the RPSTL are:

<u>Code</u>	<u>Used On</u>
ERC	Diesel Engine, Model C-240PW-28

Fabrication Instructions. Bulk materials required to manufacture items are listed in the bulk material functional group of this RPSTL. Part numbers for bulk material are also referenced in the Description Column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in TM 9-2815-254-24.

Index Numbers. Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross-reference between the NSN / Part Number (P/N) Index work packages and the bulk material list in the repair parts list work package.

Associated Publications. The publication(s) listed below pertains to the Diesel Engine, Model C-240PW-28:

<u>Publication</u>	<u>Short Title</u>
TM 9-2815-254-24	Diesel Engine, Four-cylinder, Four Cycle, Fuel Injected - C-240PW-28

Illustrations List. The illustrations in this RPSTL contain field authorized items. Illustrations published in (enter applicable TM number for the higher maintenance level RPSTL, e.g., for field, below depot sustainment, etc.) that contain field authorized items also appear in this RPSTL. The tabular list in the repair parts list work package contains only those parts coded "F" in the third position of the SMR code, therefore, there may be a break in the item number sequence.

HOW TO LOCATE REPAIR PARTS

1. When NSNs or Part Numbers Are Not Known.

First. Using the table of contents, determine the assembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and lists are divided into the same groups.

Second. Find the figure covering the functional group or the subfunctional group to which the item belongs.

Third. Identify the item on the figure and note the number(s).

Fourth. Look in the repair parts list work packages for the figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.

2. When NSN Is Known.

First. If you have the NSN, look in the STOCK NUMBER column of the NSN index work package. The NSN is arranged in NIIN sequence. Note the figure and item number next to the NSN.

Second. Turn to the figure and locate the item number. Verify that the item is the one you are looking for.

3. When Part Number Is Known.

First. If you have the part number and not the NSN, look in the PART NUMBER column of the part number index work package. Identify the figure and item number.

Second. Look up the item on the figure in the applicable repair parts list work package.

ABBREVIATIONS

<u>Abbreviation</u>	<u>Explanation</u>
BOI	Basis of Issue
MAC	Maintenance Allocation Chart
NIIN	National Item Identification Number (consists of the last 9-digits of the NSN)
NSN	National Stock Number
RPSTL	Repair Parts and Special Tools List
SMR	Source, Maintenance and Recoverability Codes
SRA	Specialized Repair Activity
TMDE	Test, Measurement and Diagnostic Equipment
UOC	Usable on Code

END OF WORK PACKAGE

FIELD AND SUSTAINMENT MAINTENANCE
DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28
GROUP 01 COOLING SYSTEM: THERMOSTAT AND WATER PUMP

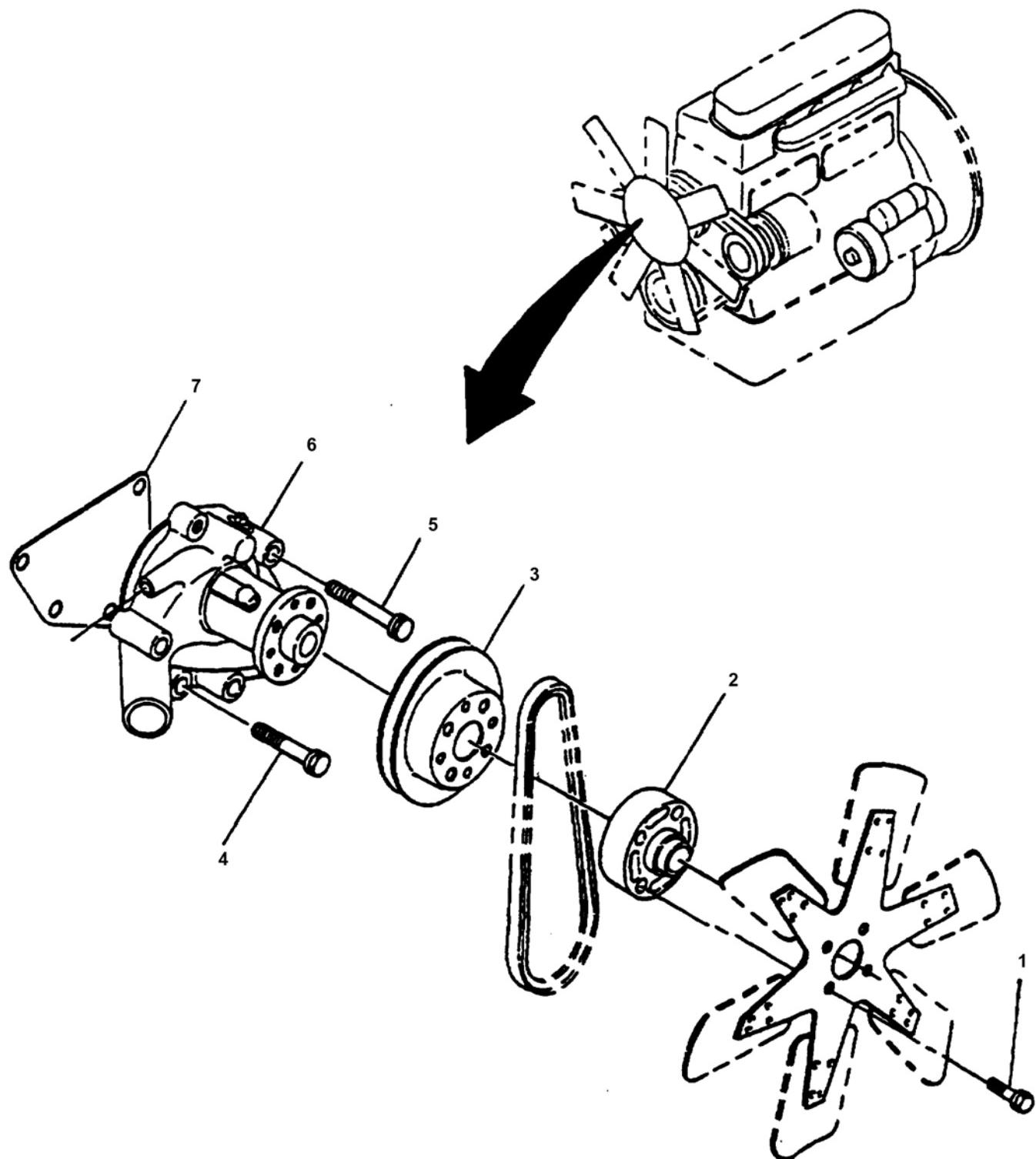


Figure 1. Thermostat and Water Pump (Sheet 1 of 2).

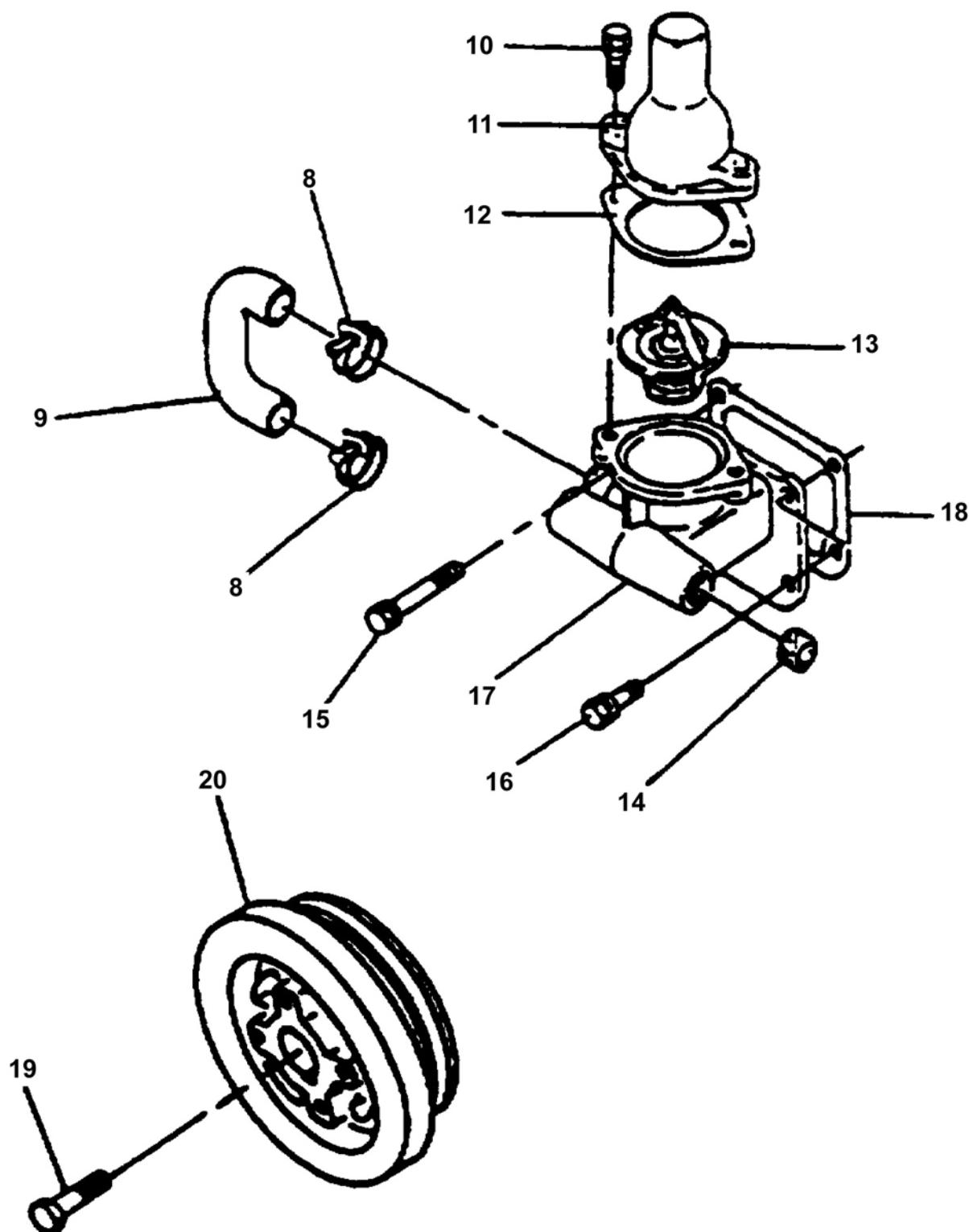


Figure 1. Thermostat and Water Pump (Sheet 2 of 2).

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
ITEM NO	ARMY FORCE	SMR CODE a. b.	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 01 COOLING SYSTEM							
FIG. 1 THERMOSTAT AND WATER PUMP							

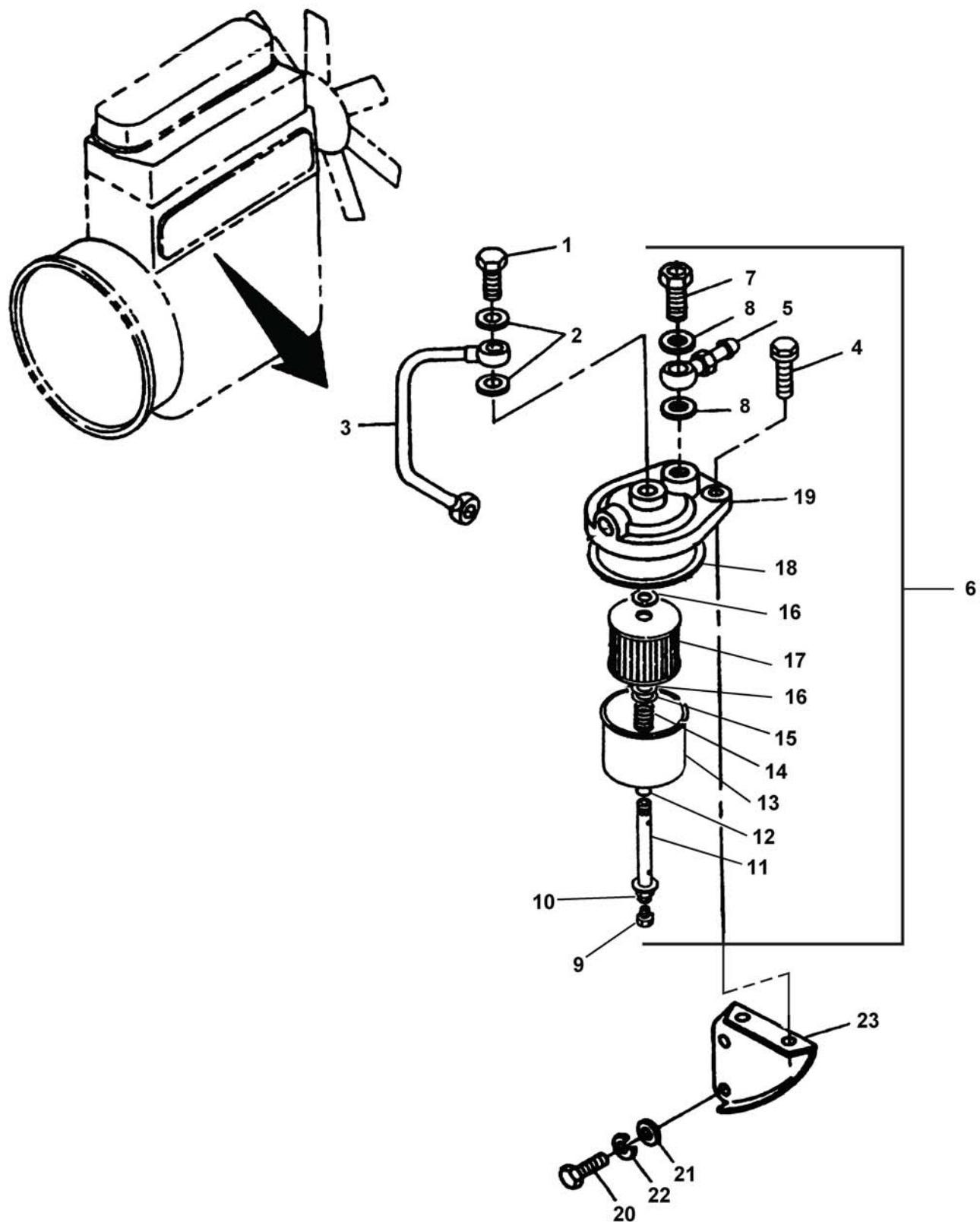
1	PAFZZ	PAOZZ	5306-01-361-8359	S0226	0500408450	.BOLT,MACHINE	4
2	XDFZZ	XB---		4N530	9136420770	.SPACER,FAN	1
3	XDFZZ	XB---		4N530	9136411250	.PULLEY,FAN	1
4	XDFZZ	XB---	5306-01-376-0730	4N530	9137211322	.BOLT,ASSEMBLED WAS	4
5	PAFZZ	PAOZZ	5305-01-268-0138	04627	324362	.SCREW, ASSEMBLED WAS	2
6	PAFZZ	PAOZZ	2930-01-363-3096	S0226	897379805-0	.PUMP,COOLING SYSTEM WITH GAS-KET	1
7	PAFZZ	PAOZZ	5330-01-226-6695	04627	1557026	.GASKET, PART OF KIT P/N 587810-9401	1
8	PAFZZ	PAOZZ	4730-01-363-5161	30076	0130845	.CLAMP,HOSE	2
9	PAFZZ	PAOZZ	4720-01-382-2845	0LUY9	9137211322	.HOSE, PREFORMED	1
10	PAFZZ	PAOZZ	5305-01-267-9279	04627	324373	.SCREW, ASSEMBLED WAS	2
11	PAFZZ	PAOZZ	4710-01-363-2490	S0226	8971690151	.PIPE ASSEMBLY,METAL	1
12	PAFZZ	PAOZZ	5330-01-413-3723	4N530	894362-2020	.GASKET, PART OF KIT P/N 587810-9401	1
13	PAFZZ	PAOZZ	6620-01-220-7105	04627	324370	.THERMOSTAT	1
14	PAFZZ	PAOZZ	4730-01-269-2313	S0226	5096050050	.PLUG,PIPE	1
15	PAFZZ	PAOZZ	5306-01-224-9099	04627	324379	.BOLT	2
16	PAFZZ	PAOZZ	5305-01-364-3142	4N530	0-50640-820-0	.SCREW,ASSEMBLED WAS	2
17	PBFZZ	PBOZZ	2930-01-263-3162	30076	342741	.WATER OUTLET,ENGINE	1
18	PAFZZ	PAOZZ	5330-01-226-4454	30076	324377	.GASKET, PART OF KIT P/N 587810-9401, KIT P/N 5878101862-2	1
19	XDFZZ	XB---	5306-01-361-8433	4F040	509000-132	.BOLT,MACHINE	1
20	XDFZZ	XB---		4N530	5123710901	.PULLEY, CRANK SHAFT	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 02 FUEL SYSTEM: FUEL FILTER ASSEMBLY



(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
a.	b.						

GROUP 02 FUEL SYSTEM**FIG. 2 FUEL FILTER ASSEMBLY**

1	PAFZZ	PAOZZ	4730-01-280-4081	04627	324420	. BOLT,FLUID PASSAGE	1
2	PAFZZ	PAOZZ	5330-01-224-9100	04627	324232	. SEAL, PART OF KIT P/N 587810-9401	2
3	PBFZZ	PBOZZ	4710-01-560-9329	S0226	894402-6270	. PIPE ASSEMBLY,METAL	1
4	PAFZZ	PAOZZ	5306-01-561-1338	S0226	060041-0320	. BOLT,ASSEMBLED WASH	2
5	PAFZZ	PAOZZ	4730-01-221-7154	04627	324425	. CONNECTOR,MULTIPLE.....	1
6	PBFOO	PBOOO	2910-01-363-3087	S0226	9132018030	. FILTER,FLUID "NOT ILLUSTRATED"	1
7	XDFZZ	XB--		4N530	91332600562	. . VALVE,FLUID PRESSURE	1
8	PAFZZ	PAOZZ	5330-01-224-9100	04627	324232	. . SEAL, PART OF KIT P/N 587810-9401	2
9	PAFZZ	PAOZZ	5306-01-561-1246	4F040	913219-0070	. . BOLT,MACHINE	1
10	PAFZZ	PAOZZ	5330-01-380-9155	S0226	9-0956-2103-0	. . O-RING, PART OF FUEL FILTER KIT, P/N 587810-0090	1
11	XAFZZ	XA---		4N530	913231-0230	. . THRU-BOLT	1
12	PAFZZ	PAOZZ	5330-01-380-9110	S0226	909920-5860	. . O-RING, PART OF FUEL FILTER KIT, P/N 587810-0090	1
13	XAFZZ	XA---		4N530	913211-6040	. . BOWL, FILTER	1
14	PAFZZ	PAOZZ	5330-01-560-9319	30076	909940-3500	. . SPRING,SPIRAL,TORSI	1
15	PAFZZ	PAOZZ	5310-01-561-1396	30076	909851-3660	. . WASHER,LOCK	1
16	PAFZZ	PAOZZ	5330-01-561-1363	S0226	909920-2430	. . GASKET, PART OF FUEL FILTER KIT P/N 587810-0090	2
17	PAFZZ	PAOZZ	4330-01-561-0833	S0226	UT6404	. . FILTER ELEMENT, FLUID, PART OF FUEL FILTER KIT P/N 587810-0090	1
18	PAFZZ	PAOZZ	5330-01-382-5915	S0226	913213-0150	. . O-RING, PART OF FUEL FILTER KIT P/N 587810-0090	1
19	XAFZZ	XA---		4N530	913213-0150	. . BODY,FUEL FILTER	1
20	PAFZZ	PAOZZ	5306-01-361-8434	4F040	9020608180	. . BOLT,MACHINE	2
21	PAFZZ	PAOZZ	5310-01-362-5946	S0226	9091645080	. . WASHER,FLAT	2
22	PAFZZ	PAOZZ	5310-01-265-2121	04627	373657	. . WASHER,SPRING TENS	2
23	PAFZZ	PAOZZ	2990-01-263-3171	04627	324323	. . BRACKET,ENGINE ACCE	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 02 FUEL SYSTEM: FUEL INJECTOR AND PIPING

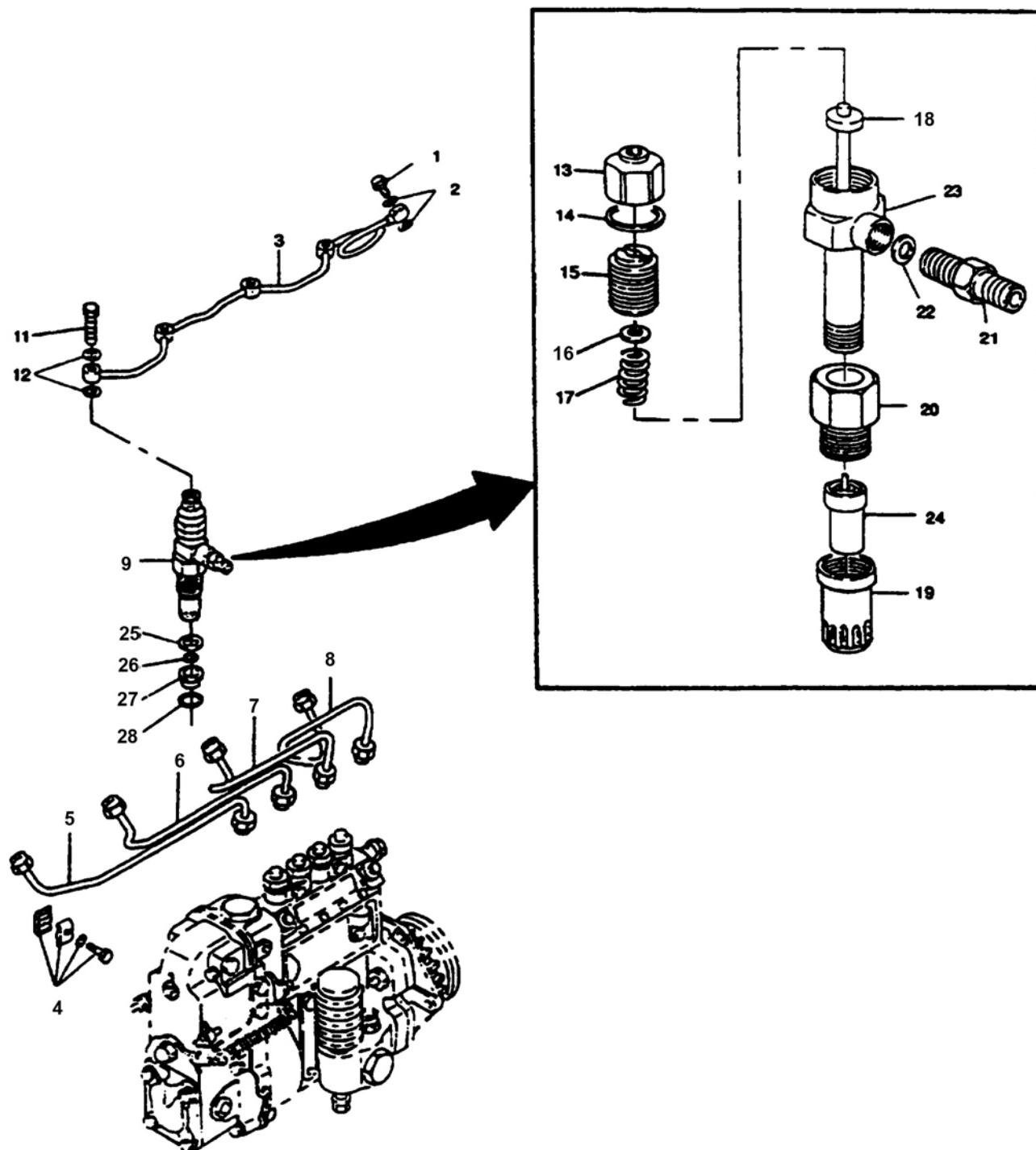


Figure 3. Fuel Injector and Piping.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
a. b.							
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
GROUP 02 FUEL SYSTEM							
FIG. 3 FUEL INJECTOR AND PIPING							
1	PAFZZ	PAOZZ	4730-01-222-7562	04627	324423	. BOLT, FLUID PASSAGE	1
2	PAFZZ	PAOZZ	5330-01-224-9108	04627	324412	. SEAL, PART OF KIT PIN 587810-9401, KIT P/N 5878101862-2	2
3	PAFZZ	PAOZZ	4710-01-221-5770	04627	324422	. TUBE ASSEMBLY, METAL	1
4	PAFZZ	PAOZZ	4030-01-272-7572	30076	324417	. CLAMP, WIRE ROPE, BOL	3
5	PAFZZ	PAOZZ	4710-01-248-8113	S0226	515411-2191	. TUBE ASSEMBLY, METAL, FOR P/N 897081-4360	1
5	PAFZZ	PAOZZ	4710-01-560-9321	S0226	894422-3561	. TUBE ASSEMBLY, METAL, FOR P/N 897190-3870	1
6	PAFZZ	PAOZZ	4710-01-249-3576	S0226	515411-2180	. TUBE ASSEMBLY, METAL, FOR P/N 897081-4360	1
6	PAFZZ	PAOZZ	4710-01-561-0841	S0226	884422-3551	. TUBE ASSEMBLY, METAL, FOR P/N 897190-3870	1
7	PAFZZ	PAOZZ	4710-01-249-2119	S0226	515411-2171	. TUBE ASSEMBLY, METAL, FOR P/N 897081-4360	1
7	PAFZZ	PAOZZ	4710-01-560-9892	S0226	894422-3541	. TUBE ASSEMBLY, METAL, FOR P/N 897190-3870	1
8	PAFZZ	PAOZZ	4710-01-249-2118	S0226	515411-2160	. TUBE ASSEMBLY, METAL, FOR P/N 897081-4360	1
8	PAFZZ	PAOZZ	4710-01-560-9882	S0226	884422-3531	. TUBE ASSEMBLY, METAL, FOR P/N 897190-3870	1
9	PAFFF	PAOZZ	2910-01-361-0616	30076	1376449	. NOZZLE, FUEL INJECTION	4
10	XAFFF	XA---		4N530	8941145150	. NOZZLE HOLDER "NOT ILLUS- TRATED"	1
11	XDFZZ	XB---		4N530	1096751390	. BOLT, FLUID PASSAGE	1
12	PAFZZ	PAOZZ	5330-01-224-9108	04627	324412	. WASHER, FLAT, PART OF KIT P/N 2587810-9401, KIT P/N 5878101862-2	2
13	XAFZZ	XA---		4N530	515334-0030	. NUT, CAP	1
14	PAFZZ	PAOZZ	5330-01-250-1390	S0226	915339-0560	. GASKET	1
15	XAFZZ	XA---		4N530	9153396010	. SCREW, ADJUSTING	1
16	XAFZZ	XA---		4N530	9153390570	. WASHER	1
17	XAFZZ	XA---		4N530	5153430020	. SPRING, NOZZLE	1
18	XAFZZ	XA---		4N530	5153410020	. ROD, PUSH	1
19	XAFZZ	XA---		4N530	9153326030	. NUT, RETAINER	1
20	XAFZZ	XA---		4N530	9153596010	. SCREW	1
21	PAFZZ	PAOZZ	4730-01-362-5575	4N530	9153510070	. NIPPLE, PIPE	1
22	PAFZZ	PAOZZ	5330-01-250-1391	S0026	915352-0050	. GASKET	1
23	XAFZZ	XA---		4N530	8941145150-1	. NOZZLE, HOLDER	1
24	XAFZZ	XA---	2910-01-217-3645	04627	324407	. NOZZLE, FUEL INJECTION	1
25	PAFZZ	PAOZZ	5310-01-226-6661	04627	990615	. WASHER, PART OF KIT P/N 587810-9401, KIT P/N 58781017862-2	4
26	PAFZZ	PAOZZ	5310-01-224-9107	30076	324411	. WASHER, PART OF KIT P/N 4587810-9401, KIT P/N 5878101862-2	4
27	PAFZZ	PAOZZ	2805-01-221-7364	61888	Z9153150270	. DEFLECTOR, DIRT AND	4

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY NSN	AIR FORCE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
28	PAFZZ	PAOZZ	5310-01-226-6660	30076 324410	. WASHER	4
END OF FIGURE						

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 02 FUEL SYSTEM: FUEL INJECTION PUMP ASSSEMBLY

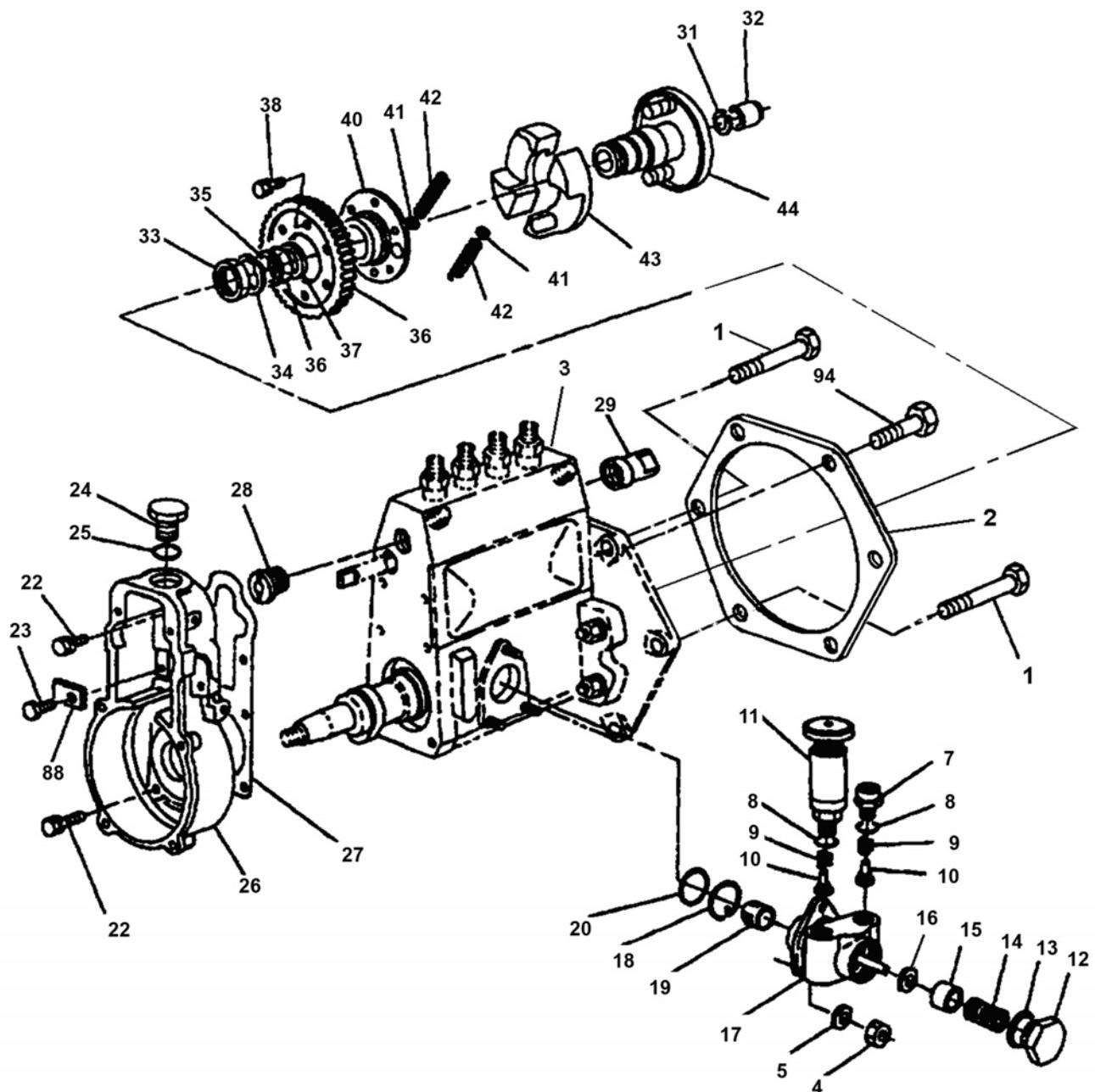


Figure 4. Fuel Injection Pump Assembly (Sheet 1 of 2).

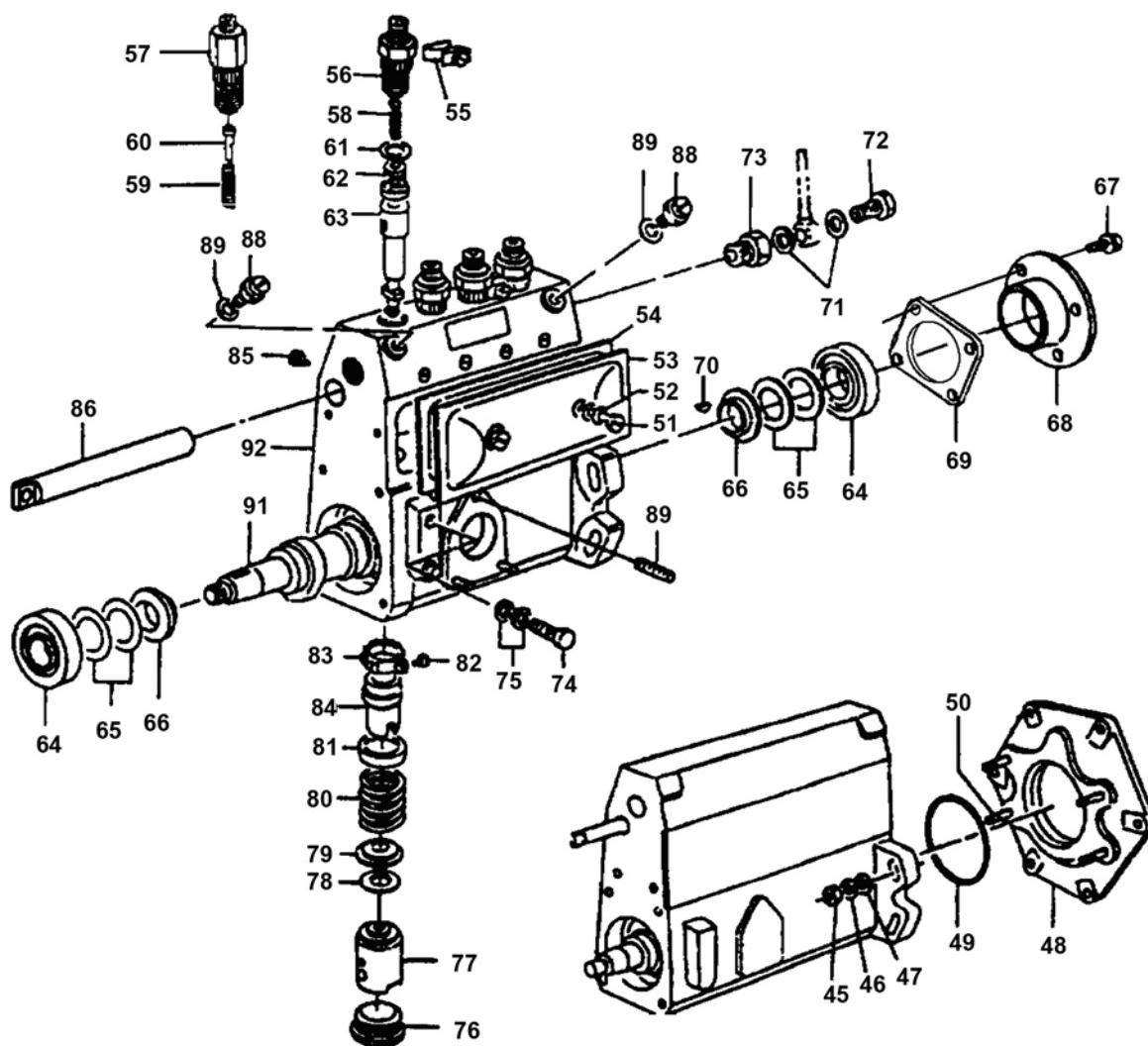


Figure 4. Fuel Injection Pump Asssembly (Sheet 2 of 2).

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
a.	b.						

GROUP 02 FUEL SYSTEM**FIG. 4 FUEL INJECTION PUMP
ASSEMBLY**

1	PAFZZ	PAOZZ	5305-01-269-7534	S0226	8942059870	. SCREW, ASSEMBLED WASHER	2
2	PAFZZ	PAOZZ	5330-01-265-2127	S0226	5113190570	. GASKET, PART OF KIT P/N 567610-9401	1
3	PAFHH	PAOZZ	2910-01-384-5937	S0226	897081-4360	. PUMP,FUEL,METERING	1
3	PAFHH	PAOZZ	2915-01-561-0259	30076	897190-3780	. PUMP,FUEL,METERING	1
4	PAFZZ	XA---	5310-01-362-5934	S0226	1157290060	. NUT, PLAIN, HEXAGON	3
5	PAFZZ	XA---	5310-01-361-5723	S0226	109985179-0	. WASHER,SPRING TENS.....	3
6	PAFZF	XA---	2910-01-261-0112	04627	373969	. PUMP,FEED "NOT ILLUSTRATED"	1
7	PAFZZ	XA---	4730-01-268-2448	04627	324570	. ADAPTER,CHECK VALVE	1
8	PAFZZ	PAOZZ	5330-01-268-0159	04627	324571	. PACKING, PREFORMED	2
9	PBFZZ	XA---	5360-01-267-2931	04627	324568	. SPRING, HELICAL, COMP	2
10	PAFZZ	XA---	4820-01-264-5571	04627	324566	. VALVE, CHECK	2
11	PAFZZ	XA---	2910-01-251-2499	S0226	1157610061	. CONTROL HANDLE, PUMP	1
12	PAFZZ	PAOZZ	5365-01-268-8993	04627	324563	. PLUG, MACHINE THREAD	1
13	PAFZZ	PAOZZ	5330-01-267-9177	04627	324564	. GASKET	1
14	PAFZZ	XA---	5360-01-268-1019	04627	324562	. SPRING, HELICAL, COMP	1
15	PAFZZ	XA---	4320-01-264-5703	04627	324561	. PISTON, HYDRAULIC MO	1
16	PAFZZ	XA---	5330-01-561-0828	3PHX2	029620-4000	. PISTON, HYDRAULIC MO	1
17	XAFZZ	XA---		4N530	5157510120	. HOUSING, FEED PUMP	1
18	PAFZZ	XA---	5365-01-267-7498	30076	324572	. RING, RETAINING	1
19	PBFZZ	XA---	2910-01-264-8410	30076	324565	. TAPPET, FUEL PUMP	1
20	PAFZZ	PAOZZ	5330-01-226-8686	4627	324449	. O-RING	1
21	XDFHH	XA---		4N530	5157201480	. GOVERNOR ASSEMBLY "NOT ILLUSTRATED"	1
22	PAFZZ	XA---	5305-01-268-9066	30076	324504	. SCREW, CAP, HEXAGON H	6
23	PAFZZ	XA---	5305-01-270-1704	S0226	9019008180	. SCREW, ASSEMBLED WAS	1
24	XDFZZ	XB---	5340-01-556-2153	4N530	1157290380	. PLUG, HOUSING	1
25	PAFZZ	PAOZZ	5331-01-416-2988	4N530	115729-0150	. O-RING	1
26	XDFZZ	XB---		4N530	1157210040	. HOUSING, GOVERNOR	1
27	PAFZZ	PAOZZ	5330-01-226-8691	04627	324560	. GASKET	1
28	XDFZZ	XB---		4N530	9813150650	. ADAPTER, GOVERNOR	1
29	PAFZZ	XA---	5330-01-383-8706	S0226	9812350340	. CAP, SEAL, NONMETAL	1
30	PBHHH	XA---	3040-01-363-2360	16236	5157400720	. WEIGHT, COUNTERBALANCE "NOT ILLUSTRATED"	1
31	XDHZZ	XA---		4N530	1156190010	. NUT, AUTO TIMER	1
32	XDHZZ	XA---		4N530	515619-0480	. WASHER, SPRING	1
33	XDHZZ	XA---		4N530	9813453060	. NUT, COUPLING FIX	1
34	XDHZZ	XA---		4N530	9813450520	. PLATE, LOCK	1
35	XDHZZ	XA---		4N530	515749-0070	. WASHER	1
36	XDHZZ	XA---		4N530	9813453250	. SHIM	V
36	XDHZZ	XA---		4N530	9813453270	. SHIM	V
36	XDHZZ	XA---		4N530	9813453280	. SHIM	V
36	XDHZZ	XA---		4N530	9813453290	. SHIM	V
36	XDHZZ	XA---		4N530	9813453300	. SHIM	V
36	XDHZZ	XA---		4N530	9813453310	. SHIM	V

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
36	XDHZZ	XA---		4N530	9813453320	... SHIM	V
36	XDHZZ	XA---		4N530	9813453400	... SHIM	V
37	XDHZZ	XA---		4N530	9813453380	... WASHER	1
38	XDHZZ	XA---		4N530	5157490080	... SCREW, ASSEMBLED, W	6
39	PAHZZ	XA---	3020-01-264-5709	04627	324515	... GEAR, BEVEL	1
40	XDHZZ	XA---		4N530	9813433050	... FLANGE	1
41	XDHZZ	XA---		4N530	5157490090	... SHIM	V
41	XDHZZ	XA---		4N530	5157490100	... SHIM	V
41	XDHZZ	XA---		4N530	5157490110	... SHIM	V
41	XDHZZ	XA---		4N530	5157490680	... SHIM	V
41	XDHZZ	XA---		4N530	5157490690	... SHIM	V
41	XDHZZ	XA---		4N530	5157490700	... SHIM	V
41	XDHZZ	XA---		4N530	5157490710	... SHIM	V
41	XDHZZ	XA---		4N530	9813450430	... SHIM	V
41	XDHZZ	XA---		4N530	9813450440	... SHIM	V
41	XDHZZ	XA---		4N530	9813450450	... SHIM	V
42	XDHZZ	XA---		4N530	9813450720	... SPRING, TIMER	2
43	XDHZZ	XA---		4N530	9813435050	... FLYWEIGHT	2
44	XDHZZ	XA---		4N530	5157490280	... HOLDER, FLYWEIGHT	1
45	PAFZZ	XA---	5310-01-361-5702	S0226	5156390020	. NUT, PLAIN HEXAGON	4
46	PAFZZ	XA---	5310-01-361-5722	S0226	9091505100	. WASHER, LOCK	4
47	PAFZZ	XA---	5310-01-361-5718	S0226	9091606100	. WASHER, FLAT	4
48	PBFZZ	XA---	2990-01-264-3412	30076	324513	. BRACKET, ENGINE ACCE	1
49	PAFZZ	PAOZZ	5330-01-224-8063	30076	324514	. O-RING	1
50	PAFZZ	XA---	5307-01-381-2792	4F040	904411-030	. STUD, PLAIN	4
51	PAHZZ	XA---	5305-01-267-6310	04627	324446	. SCREW, CAP, HEXAGON H	2
52	PAHZZ	PAOZZ	5330-01-226-8700	04627	324447	. GASKET	2
53	XDHZZ	XA---		4N530	8941711090	. COVER, HOUSING SIDE	1
54	PAHZZ	XA---	5330-01-415-9615	4N530	894386-5960	. GASKET	1
55	XDHZZ	XA---		4N530	5156250010	. PLATE ASSEMBLY	2
56	PBHZZ	XA---	2530-01-264-3410	30076	359138	. BODY, VALVE, FOR P/N 897081-4360	4
57	XBHZZ	XA---		30076	131116-5920	. BODY, VALVE, FOR P/N 897190-3780	4
58	PAHZZ	XA---	5360-01-267-6712	04627	324452	. SPRING, HELICAL, COMP, FOR P/N 897081-4360	4
59	PAHZZ	XA---	5360-01-560-9887	30076	131112-0600	. SPRING, HELICAL, COMP, FOR P/N 897190-3780	4
60	PAHZZ	XA---	5340-01-561-0694	30076	131117-2500	. PLUG ASSEMBLY SEALING, FOR P/N 897190-3780	4
61	PAHZZ	PAOZZ	5330-01-361-8991	S0226	9812450140	. SEAL, PLAIN	4
62	PBHZZ	XA---	2910-01-265-0427	S0226	9812411030	. VALVE, INJECTION PUM	4
63	PBHZZ	XA---	3040-01-265-2608	30076	324450	. SHAFT, SHOULDered	4
64	PAHZZ	XA---	3110-01-226-8680	04627	324490	. BEARING, BALL, ANNULA	1
64	PAHZZ	XA---	3110-01-226-8681	30076	324491	. BEARING, BALL, ANNULA	1
65	PAHZZ	XA---	5365-01-361-6567	1JY58	5156290180	. SHIM .16 MM	V
65	PAHZZ	XA---	5365-01-414-0745	1JY58	5156290900	. SHIM 1.40 MM	V
65	PAHZZ	XA---	5365-01-226-8764	30076	324494	. SHIM .12 MM	V
65	PAHZZ	XA---	5365-01-227-9883	04627	324495	. SHIM .14 MM	V
65	PAHZZ	XA---	5365-01-226-8766	04627	324497	. SHIM .16 MM	V
65	PAHZZ	XA---	5365-01-227-0633	04627	324498	. SPACER, SLEEVE SO MM	V
65	PAHZZ	XA---	5365-01-227-0612	30076	324501	. SHIM .70 MM	V

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
ITEM NO	ARMY NO	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
65	PAHZZ	XA---	5365-01-361-7899	3J868	5156190380	. SHIM 1.00 MM	V
65	PAHZZ	XA---	5365-01-362-4406	3J868	5156290150	. SHIM .10 MM	V
65	PAHZZ	XA---	5365-01-467-5653	4N530	981225-0330	. SHIM .30 MM	V
66	PAHZZ	XA---	5365-01-224-9109	04627	324492	. RING	2
67	PAHZZ	XA---	5305-01-268-9066	04627	324504	. SCREW, CAP, HEXAGON H	4
68	XDHZZ	XA---		4N530	5156120120	. COVER, HOUSING	1
69	PAHZZ	XA---	5330-01-560-9889	3PHX2	131321-1300	. GASKET	1
70	PAHZZ	XA---	5315-01-467-3123	4N530	8-94221-411-0	. KEY, WOODRUFF	1
71	PBHZZ	XA---	2815-01-364-1519	30076	5156210170	. CAMSHAFT, ENGINE	1
72	PAFZZ	XA---	4730-01-264-3345	04627	373668	. BOLT, FLUID PASSAGE	1
73	PAFZZ	PAOZZ	5330-01-226-8690	S0226	157590010	. GASKET	2
74	PAFZZ	PAOZZ	5306-01-268-8982	S0226	9097060370	. BOLT, MACHINE	1
75	PAFZZ	XA---	5330-01-361-7912	S0226	9095720100	. O-RING, PART OF KIT P/N 587810-9401	2
76	XDHZZ	XA---		4N530	5156191360	. PLUG, TAPPET	4
77	PAHZZ	XA---	2910-01-264-5626	04627	324456	. TAPPET, FUEL PUMP	4
78	PAHZZ	XA---	5365-01-361-6568	1JY58	5156191080	. SHIM 1.35 MM	V
78	PAHZZ	XA---	5365-01-361-6569	1JY58	5156191090	. SHIM 1.45 MM	V
78	PAHZZ	XA---	5365-01-268-9115	04627	324457	. SHIM .30 MM	V
78	PAHZZ	XA---	5365-01-269-1516	30076	324458	. SHIM .40 MM	V
78	PAHZZ	XA---	5365-01-269-4450	04627	324459	. SPACER, RING .50 MM	V
78	PAHZZ	XA---	5365-01-269-4453	30076	324460	. SPACER, RING .60 MM	V
78	PAHZZ	XA---	5365-01-268-9151	04627	324461	. SPACER, RING .70 MM	V
78	PAHZZ	XA---	5365-01-269-3783	04627	324462	. SPACER, RING .80 MM	V
78	PAHZZ	XA---	5365-01-269-1049	04627	324463	. SPACER, RING .90 MM	V
78	PAHZZ	XA---	5365-01-269-4452	04627	324464	. SPACER, RING 1.00 MM	V
78	PAHZZ	XA---	5365-01-269-0043	04627	324465	. SPACER, RING 1.10 MM	V
78	PAHZZ	XA---	5365-01-275-7181	04627	324466	. SPACER, RING 1.20 MM	V
78	PAHZZ	XA---	5365-01-269-1050	04627	324467	. SPACER, RING 1.30 MM	V
78	PAHZZ	XA---	5365-01-269-0042	04627	324468	. SPACER, RING 1.40 MM	V
78	PAHZZ	XA---	5365-01-269-2714	04627	324469	. SPACER, RING .55 MM	V
78	PAHZZ	XA---	5365-01-269-4449	04627	324470	. SPACER, RING .65 MM	V
78	PAHZZ	XA---	5365-01-269-4448	04627	324471	. SPACER, RING .75 MM	V
78	PAHZZ	XA---	5365-01-269-4451	04627	324472	. SPACER, RING .85 MM	V
78	PAHZZ	XA---	5365-01-269-6280	30076	324473	. WASHER, FLAT .95 MM	V
78	PAHZZ	XA---	5365-01-270-8920	04627	324474	. WASHER, FLAT 1.05 MM	V
78	PAHZZ	XA---	5310-01-268-6976	04627	324475	. SPACER, RING 1.15 MM	V
78	PAHZZ	XA---	5310-01-268-9750	04627	324476	. SPACER, RING 1.25 MM	V
78	PAHZZ	XA---	5365-01-269-2713	04627	324477	. SPACER, RING .20 MM	V
78	PAHZZ	XA---	5365-01-268-9114	04627	324479	. SHIM .35 MM	V
78	PAHZZ	XA---	5365-01-269-0044	04627	324480	. SPACER, RING .45 MM	V
78	PAHZZ	XA---	5365-01-361-6570	3J868	5156191100	. SHIM 1.55 MM	V
78	PAHZZ	XA---	5365-01-361-5724	S0226	5156190260	. SHIM .25 MM	V
78	PAHZZ	XA---	5365-01-361-5725	S0226	5156191060	. SHIM 1.50 MM	V
78	PAHZZ	XA---	5365-01-361-5726	S0226	5156191070	. SHIM 1.60 MM	V
79	PAHZZ	XA---	5340-01-267-2963	04627	324463	. SEAT, HELICAL COMPRE	4
80	PAHZZ	XA---	2910-01-363-2375	S0226	5156430090	. PLUNGER, FUEL INJECT	4
81	PAHZZ	PAOZZ	5340-01-268-2652	04627	324482	. SEAT, HELICAL COMPRE	4
82	PAHZZ	PAOZZ	5305-01-268-9758	30076	324486	. SCREW, CAP, HEXAGON H	4
83	PAHZZ	XA---	4320-01-264-8408	04627	324485	. PINION SLEEVE	4
84	PAHZZ	XA---	2805-01-264-3498	04627	324484	. CYLINDER SLEEVE	4
85	PAHZZ	PAOZZ	5305-01-267-9223	30076	324488	. SCREW, CAP, HEXAGON H	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
ITEM NO	ARMY NO	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
86	XDHZZ	XA---		4N530	5156370020	. RACK, CONTROL	1
87	XDHHH	XDHHH		4N530	5156110460	. HOUSING ASSY, INJ "NOT ILLUS- TRATED"	1
88	PAHZZ	PAOZZ	5305-01-270-0073	04627	324443	. SCREW, CAP, HEXAGON H	2
89	PAFZZ	PAOZZ	5330-01-361-5287	S0226	8941445880	. SEAL, PLAIN	2
90	PAFZZ	PAOZZ	5307-01-266-9757	04627	324441	. STUD, PLAIN	3
91	PAFZZ	PAOZZ	4730-01-264-9460	04627	324442	. ADAPTER, STRAIGHT, TU	1
92	XAHZZ	XAHZZ		4N530	5156110460-6	. HOUSING, FUEL PUMP	1
93	PAFZZ	PAOZZ		S0266	9813253970	. PLATE	1
94	PAFZZ	PAOZZ	5360-01-361-8360	S0266	500408320	. BOLT, MACHINE	4

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 03 LUBRICATION SYSTEM: OIL FILTER AND PIPING

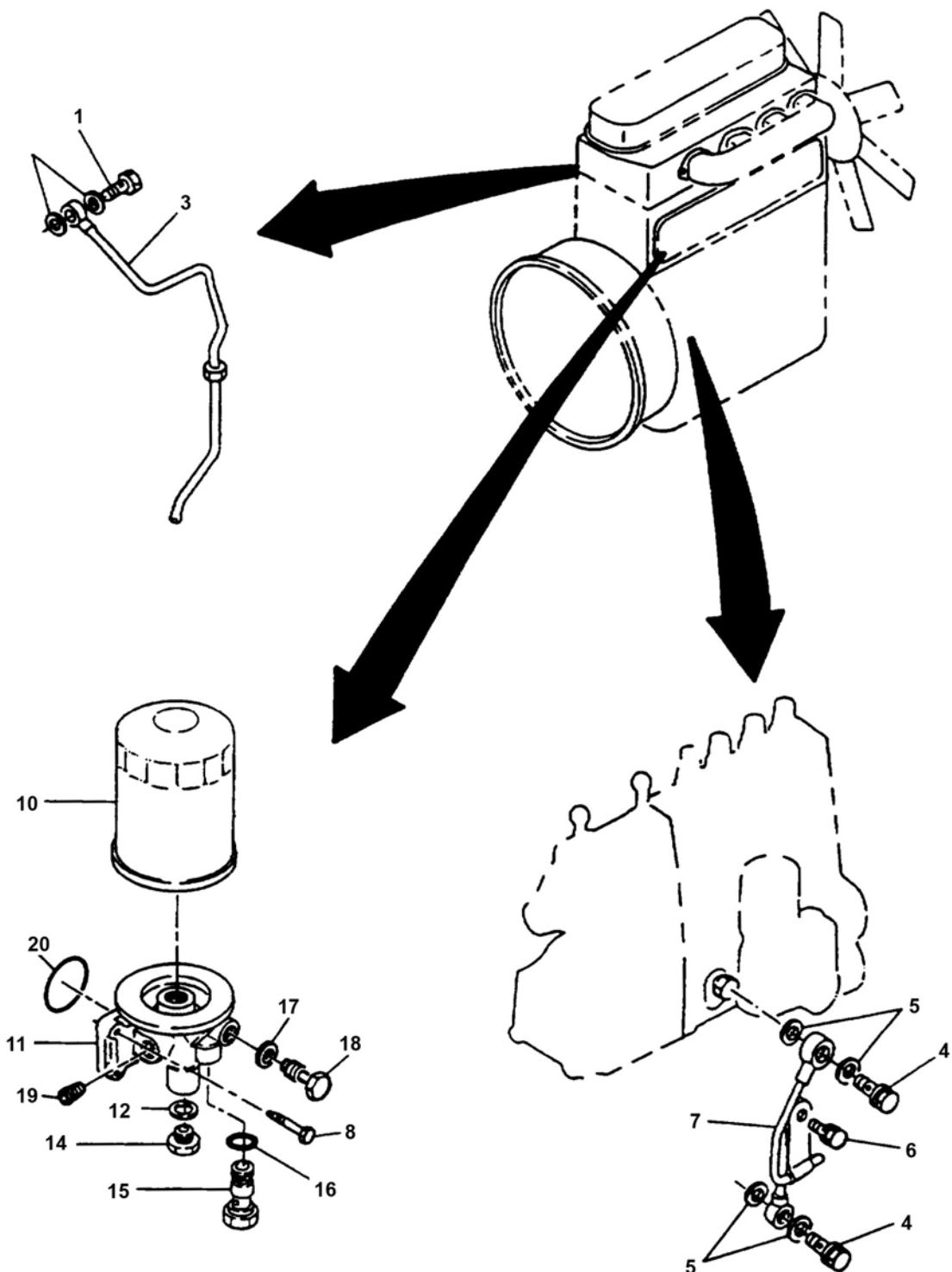


Figure 5. Oil Filter and Piping.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
						GROUP 03 LUBRICATION SYSTEM	

FIG. 5 OIL FILTER AND PIPING

1	PAFZZ	PAOZZ	4730-01-414-0348	4N530	1096750371	. BOLT, FLUID PASSAGE	1
2	PAFZZ	PAOZZ	5330-01-414-3640	4N530	1096300820	. GASKET, PART OF KIT P/N 587810-9401	2
3	PBFZZ	PBOZZ	4710-01-221-2214	04627	324351	. TUBE ASSEMBLY, METAL	1
4	PAFZZ	PAOZZ	5306-01-226-9105	04627	324357	. BOLT	2
5	PAFZZ	PAOZZ	5330-01-226-6692	04627	324356	. GASKET, PART OF KIT P/N 587810-9401	4
6	PAFZZ	PAOZZ	5306-01-267-1778	S0226	9019006120	. BOLT, ASSEMBLED WASH	1
7	PBFZZ	PBOZZ	4710-01-363-3041	S0226	5133111440	. PIPE, METALLIC	1
8	PAFZZ	PAOZZ	5305-01-266-9343	S0226	901970845-0	. SCREW, ASSEMBLED WAS	4
9	PBFZZ	PBOZZ	2910-01-360-6369	9M091	8941288541	. FILTER ELEMENT, FLUID "NOT ILLUSTRATED"	1
10	PAFZZ	PAOZZ	2940-01-493-4533	S0226	8-97024607-1	. FILTER ELEMENT, FLUID	1
11	PBFZZ	PBOZZ	2940-01-265-2668	30076	374896	. HEAD, FLUID FILTER	1
12	PAFZZ	PAOZZ	5330-01-414-3709	4N530	9099208410	. SEAL, PLAIN, ENCASED	1
13	PAFZZ	PAOZZ	4730-01-414-1259	4N530	913226-0130	. ADAPTER, STRAIGHT, PI	1
14	XDFZZ	XB---		4N530	9098640150	. PLUG TAPERED SCREW	1
15	PAFZZ	PAOZZ	4820-01-232-5701	04627	324345	. VALVE, SAFETY RELIEF WITH PACKING	1
16	PAFZZ	PAOZZ	5330-01-383-6787	S0226	9099209750	. O-RING	1
17	PAFZZ	PAOZZ	5330-01-413-3724	4N530	894167-8850	. O-RING	1
18	XDFZZ	XB---		4N530	8970887840	. PLUG	1
19	XDFZZ	XB---		4N530	8970387850	. PLUG	1
20	PAFZZ	PAOZZ	5330-01-414-0691	3V577	897065-983-0	. O-RING, PART OF KIT P/N 587810-9401	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 03 LUBRICATION SYSTEM: OIL PAN ASSEMBLY

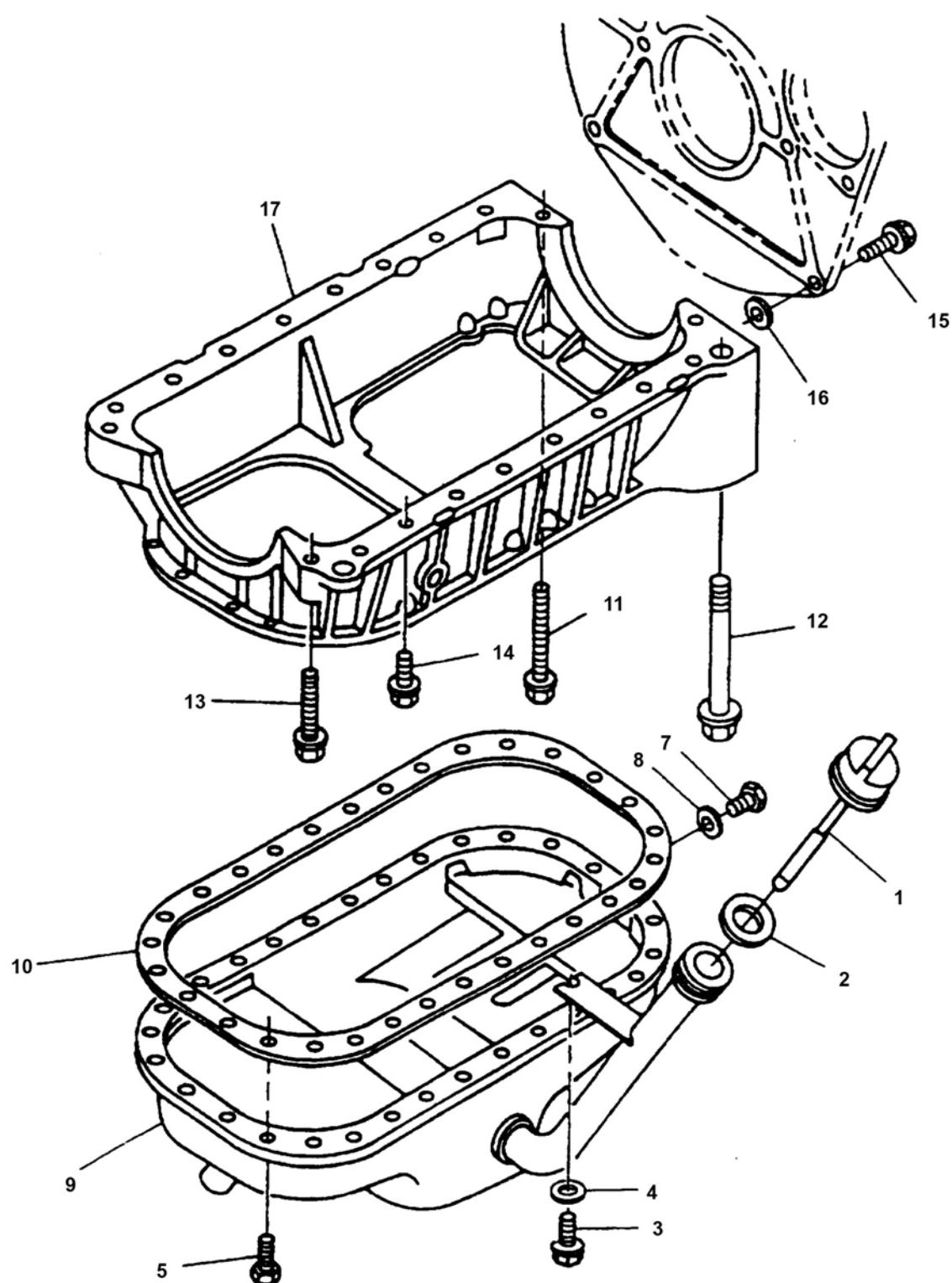


Figure 6. Oil Pan Assembly.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
a.	b.					

**GROUP 03 LUBRICATION
SYSTEM**

FIG. 6 OIL PAN ASSEMBLY

1	XDFZZ	XB---	6680-01-472-9712	4N530	8970439250	. GAUGE ASSY, OIL LE	1
2	PAFZZ	PAOZZ	5330-01-381-1934	4N530	909920-6090	. GASKET	1
3	PAFZZ	PAOZZ	5306-01-361-8360	S0226	0500408320	. SCREW, CAP, HEXAGON H	1
4	PAFZZ	PAOZZ	5310-01-360-5961	4F040	9091647080	. WASHER, FLAT	1
5	PAFZZ	PAOZZ	5306-01-361-9044	4F040	050040-614	. BOLT, ASSEMBLED WASH	30
6	XAFZZ	XA---		4N530	5970367712-1	. PAN, OIL "NOT ILLUSTRATED"	1
7	PBFZZ	PBOZZ	5365-01-414-3017	4F040	999202-3200	. PLUG, MACHINE THREAD	1
8	PBFZZ	PBOZZ	5330-01-361-6633	S0226	1096232350	. GASKET	1
9	XDFFF	XB---		4N530	8970367712	. PAN ASSEMBLY, OIL	1
10	PBFZZ	PBOZZ	5330-01-224-8068	04627	324245	. GASKET, PART OF KIT P/N 587810-9401	1
11	PAHZZ	PAOZZ	5306-01-272-9033	S0226	5090060870	. BOLT, ASSEMBLED WASH	2
12	PAHZZ	PAOZZ	5306-01-414-3019	4N530	9-09801-202-2	. BOLT, MACHINE	2
13	PAHZZ	PAOZZ	5305-01-266-9343	S0226	901970845-0	. SCREW, ASSEMBLED WAS	2
14	PAHZZ	PAOZZ	5306-01-268-6796	04627	324249	. BOLT, MACHINE	14
15	PAHZZ	PAOZZ	5305-01-381-2822	4F040	050041-232	. SCREW, MACHINE	2
16	PAHZZ	PAOZZ	5365-01-265-4921	04627	324233	. SHIM .30 MM	V
16	PAHZZ	PAOZZ	5365-01-266-4081	04627	324234	. SHIM .35 MM	V
16	PAHZZ	PAOZZ	5365-01-265-4922	30076	324235	. SHIM .40 MM	V
16	PAHZZ	PAOZZ	5310-01-265-2109	04627	324236	. WASHER, FLAT .45 MM	V
16	PAHZZ	PAOZZ	5310-01-265-2110	04627	324237	. WASHER, FLAT .50 MM	V
16	PAHZZ	PAOZZ	5310-01-265-2111	04627	324238	. WASHER, FLAT .55 MM	V
16	PAHZZ	PAOZZ	5310-01-265-2112	04627	324239	. WASHER, FLAT .60 MM	V
16	PAHZZ	PAOZZ	5310-01-265-2113	04627	324240	. WASHER, FLAT .65 MM	V
16	PAHZZ	PAOZZ	5365-01-265-2114	04627	324241	. WASHER, FLAT .70 MM	V
16	PAHZZ	PAOZZ	5365-01-265-2115	04627	324242	. WASHER, FLAT .75 MM	V
16	PAHZZ	PAOZZ	5310-01-271-1003	04627	324243	. WASHER, FLAT .80 MM	V
16	PAHZZ	PAFZZ	5310-01-265-2116	04627	324244	. WASHER, FLAT .90 MM	V
16	PAHZZ	PAOZZ	5365-01-388-5092	S0226	9096511440	. SHIM .85 MM	V
17	PBHZZ	PBOZZ	2815-01-263-3150	04627	324230	. ENGINE BLOCK ASSEMBLY	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 03 LUBRICATION SYSTEM: OIL PUMP ASSEMBLY

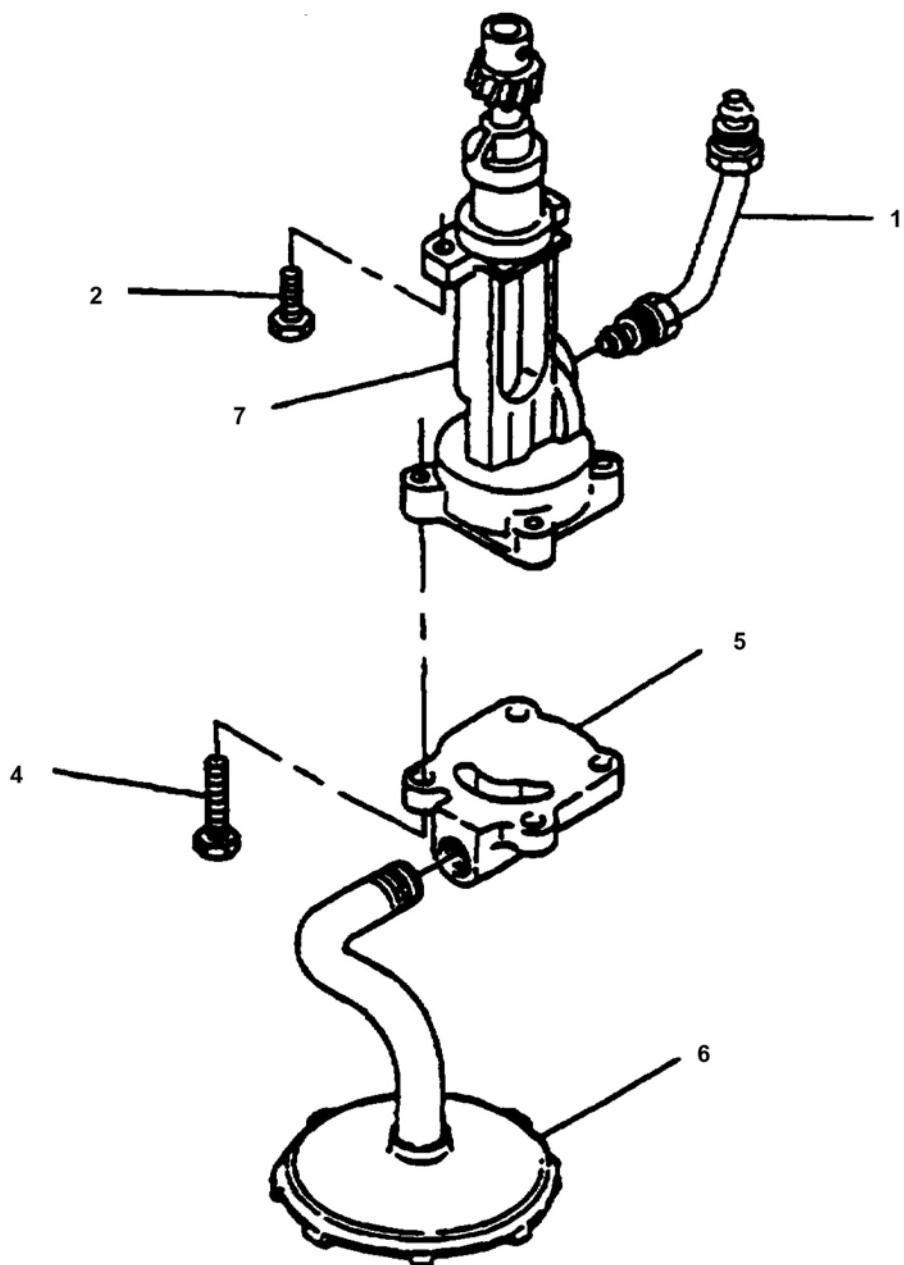


Figure 7. Oil Pump Assembly.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
a.	b.					

**GROUP 03 LUBRICATION
SYSTEM**

FIG. 7 OIL PUMP ASSEMBLY

1	XDFZZ	XB---		4N530	8944548520	. PIPE ASSEMBLY, OIL	1
2	PAFZZ	PAOZZ	5305-01-267-9222	30076	324263	. SCREW, CAP, HEXAGON HEAD	2
3	PAFZZ	PAOZZ	2815-01-370-0208	S0226	9131008014	. OIL PUMP ASSEMBLY "NOT ILLUSTRATED"	1
4	PAFZZ	PAOZZ	5305-01-267-8470	04627	373658	. SCREW, CAP, HEXAGON HEAD	4
5	XAFZZ	XA---		4N530	9131130771	. COVER, OIL PUMP	1
6	XAFZZ	XA---		4N530	9131401200	. STRAINER ASSY, OIL	1
7	XAFZZ	XA---		4N530	5131200040	. ROTOR ASSEMBLY	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 04 INTAKE AND EXHAUST SYSTEM: PVC ASSEMBLY

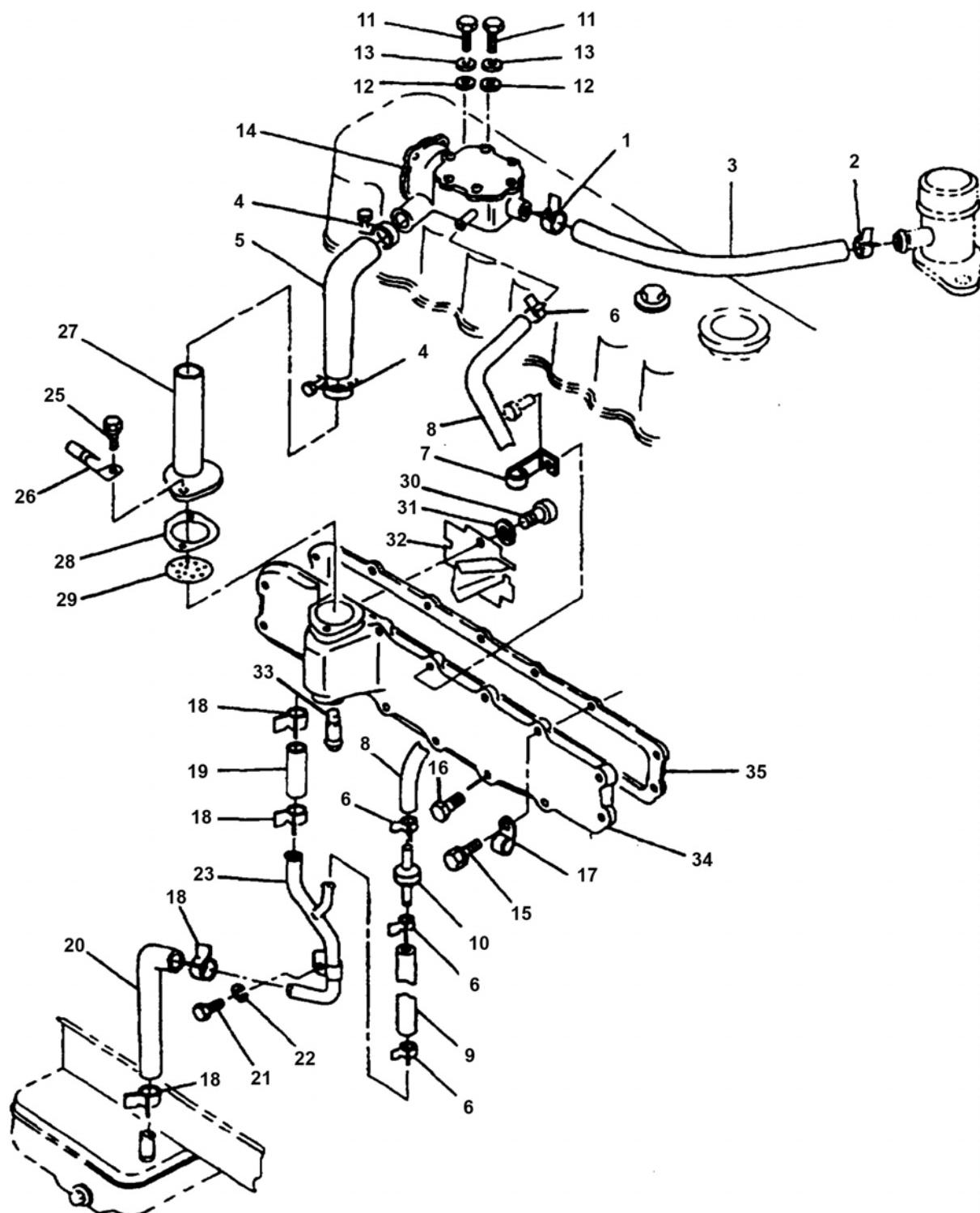


Figure 8. PVC Assembly.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
						GROUP 04 INTAKE AND EXHAUST SYSTEM	

FIG. 8 PVC ASSEMBLY

1	PAFZZ	PAOZZ	4730-01-270-6432	04627	382507	. CLAMP, HOSE	1
2	PAFZZ	PAOZZ	5340-01-361-8372	14153	9097151060	. STRAP, RETAINING	1
3	PAFZZ	PAOZZ	4720-01-467-6675	4N530	8944225210	. HOSE, NONMETALLIC	1
4	PAFZZ	PAOZZ	4730-01-263-7175	04627	382505	. CLAMP, HOSE	2
5	PAFZZ	PAOZZ	4720-01-262-6271	04627	382504	. HOSE, PREFORMED	1
6	PAFZZ	PAOZZ	4730-01-264-3880	04627	382502	. CLAMP, HOSE	4
7	PAFZZ	PAOZZ	5340-01-272-4897	04627	382508	. CLAMP, LOOP	1
8	MOFZZ	MOO--		4N530	8941401600	. HOSE, NONMETALLIC MAKE FROM P/N 1305789 (30076) 13 INCHES REQUIRED	1
9	MOFZZ	MOO--		4N530	8944151560	. HOSE, NONMETALLIC MAKE FROM P/N 1305789 (30076) 9 INCHES . REQUIRED	1
10	PAFZZ	PAOZZ	4820-66-128-5601	S0226	8942493171	. VALVE, CHECK	1
11	PAFZZ	PAOZZ	5306-01-265-2062	S0226	9010456380	. BOLT, MACHINE	2
12	PAFZZ	PAOZZ	5310-01-271-7712	04627	382511	. WASHER, FLAT	2
13	PAFZZ	PAOZZ	5310-01-329-6975	04627	292680	. WASHER, LOCK	2
14	PBFZZ	PBOZZ	4820-01-362-3399	S0226	8944682440	. VALVE ASSEMBLY	1
15	PAFZZ	PAOZZ	5306-01-268-6796	04627	324249	. BOLT, MACHINE	2
16	PAFZZ	PAOZZ	5305-01-270-1704	04627	324171	. SCREW, ASSEMBLED WASHER	12
17	PAFZZ	PAOZZ	5340-01-227-3183	04627	324158	. CLIP	2
18	PAFZZ	PAOZZ	4730-01-261-6818	30076	382498	. CLAMP, HOSE	4
19	MOFZZ	MOO--		4N530	22130800	. HOSE, NONMETALLIC MAKE FROM P/N M6000-D0120 (81349), 4 INCHES REQUIRED	1
20	PAFZZ	PAOZZ	4720-01-261-4182	04627	382497	. HOSE, PREFORMED	1
21	PAFZZ	PAOZZ	5306-01-361-8362	S0226	9-02041 016-0	. BOLT, MACHINE	1
22	PAFZZ	PAOZZ	5310-01-361-5722	S0226	9091505100	. WASHER, LOCK	1
23	PBFZZ	PBOZZ	4710-01-414-9304	4N530	8943172581	. TUBE, BENT, METALLIC	1
24	PAFZZ	PAOZZ	2815-01-303-2505	04627	388291	. COVER, TAPPET "NOT ILLUS- TRATED"	1
25	PAFZZ	PAOZZ	5306-01-361-6607	4F040	9019606160	. BOLT, ASSEMBLED WASHER	2
26	PAFZZ	PAOZZ	5340-01-265-7276	04627	382488	. CLIP, SPRING TENSION	1
27	PAFZZ	PAOZZ	2590-01-263-3149	04627	382493	. FILLER NECK	1
28	PAFZZ	PAOZZ	5330-01-267-1231	04627	382490	. GASKET	1
29	PBFZZ	PBOZZ	2990-01-263-7230	04627	382487	. FILTERING DISK, FLUID	1
30	PAFZZ	PAOZZ	5305-01-267-9278	S0226	9934905100	. SCREW, MACHINE	2
31	PAFZZ	PAOZZ	5310-01-265-2118	04627	292679	. WASHER, LOCK	1
32	PAFZZ	PAOZZ	2805-01-263-6472	04627	382486	. BAFFLE, AIRFLOW, ENGINE	1
33	XDFZZ	XB---		4N530	5096660100	. NIPPLE, TAPPET COVER	1
34	XAFZZ	XA---	2815-01-263-3179	04627	382485	. COVER, ENGINE POPPET	1
35	PAFZZ	PAOZZ	5330-01-305-0239	04627	348442	. GASKET, PART OF KIT P/N 587810-9401	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 04 INTAKE AND EXHAUST SYSTEM

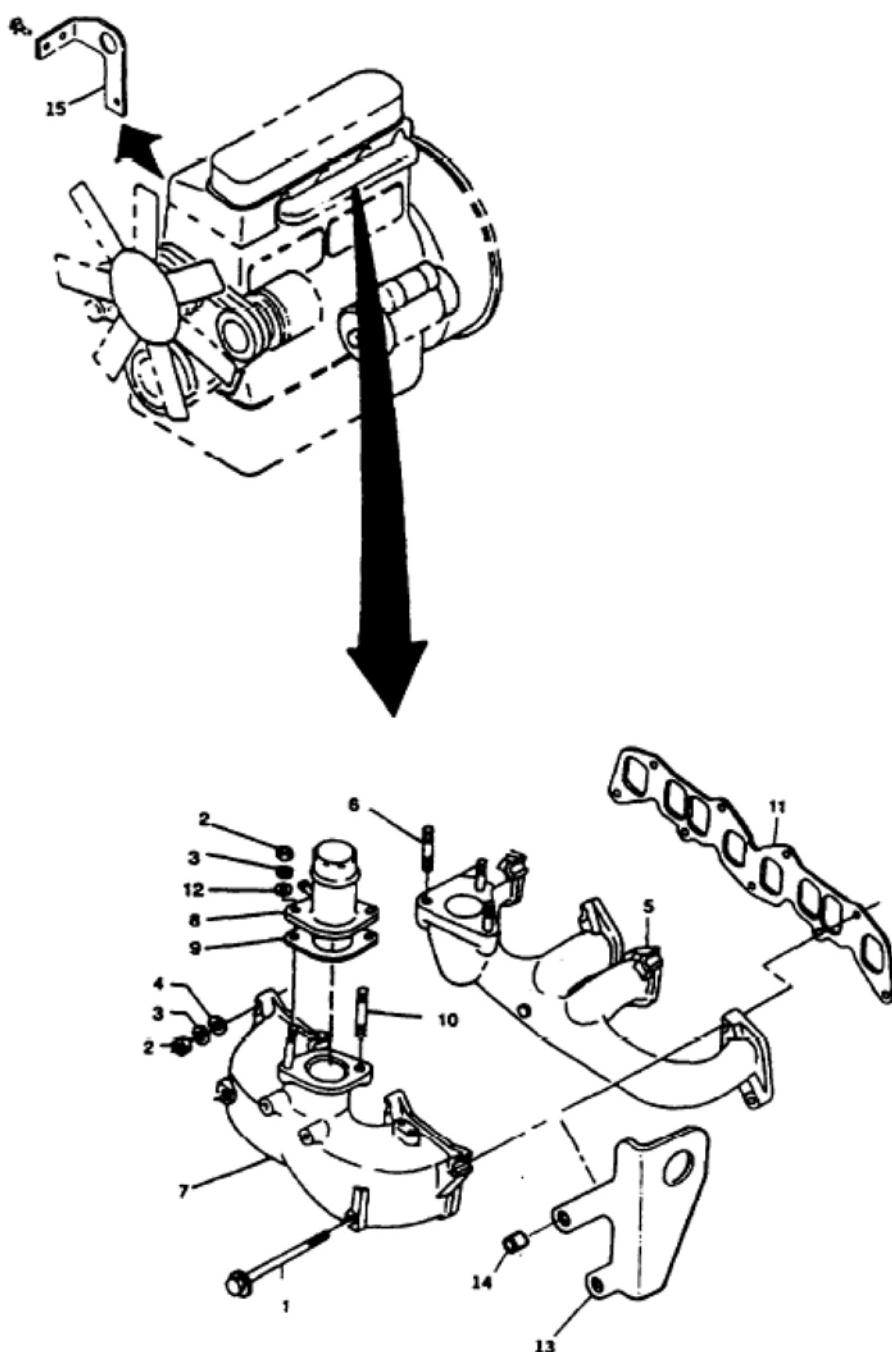


Figure 9. Intake and Exhaust System.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)
SMR CODE						
a. b.						

**GROUP 04 INTAKE AND
EXHAUST SYSTEM****FIG. 9 INTAKE AND EXHAUST
SYSTEM**

1	PAFZZ	PAOZZ	5306-01-272-9033	S0226	5090000870	. BOLT, ASSEMBLED WASHER	2
2	PAFZZ	PAOZZ	5310-01-224-9104	04627	324314	. NUT	9
3	PAFZZ	PAOZZ	5310-01-360-5966	4F040	109985-177	. WASHER, LOCK	9
4	PAFZZ	PAOZZ	5310-01-360-7785	4F040	114319-034	. WASHER, FLAT	7
5	PBFZZ	PBOZZ	2815-01-363-3098	04627	9141416143	. MANIFOLD, EXHAUST	1
6	PAFZZ	PAOZZ	5307-01-381-2821	4F040	5093020020	. STUD, PLAIN	3
7	PBFZZ	PBOZZ	2815-01-262-2760	04627	373661	. MANIFOLD, INTAKE	1
8	XDFZZ	XB---	5307-01-381-2821	4N530	5141111290	. PIPE, INLET	1
9	PAFZZ	PAOZZ	5330-01-224-8071	04627	324397	. GASKET, PART OF KIT P/N 587810-9401	1
10	PAFZZ	PAOZZ	5307-01-361-4612	S0226	904110-825	. STUD, PLAIN	2
11	PAFZZ	PAOZZ	5330-01-224-8070	04627	1452558	. GASKET, PART OF KIT P/N 587810-9401, KIT P/N 5878101862-2	1
12	PAFZZ	PAOZZ	5310-01-361-7892	1JY58	9091605080	. WASHER, FLAT	2
13	XDFZZ	XB---		4N530	9117771360	. BRACKET, ANGLE THIS BRACKET IS NOT USED ON TACTICAL QUIET . GENERATORS	1
14	XDFZZ	XB---	5365-01-265-7125	04627	324437	. SPACER, SLEEVE	2
15	XDFZZ	XB---	2510-01-262-2650	04627	324435	. BRACKET, ENGINE MOUNT	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 05 ELECTRICAL SYSTEM: GLOW PLUGS

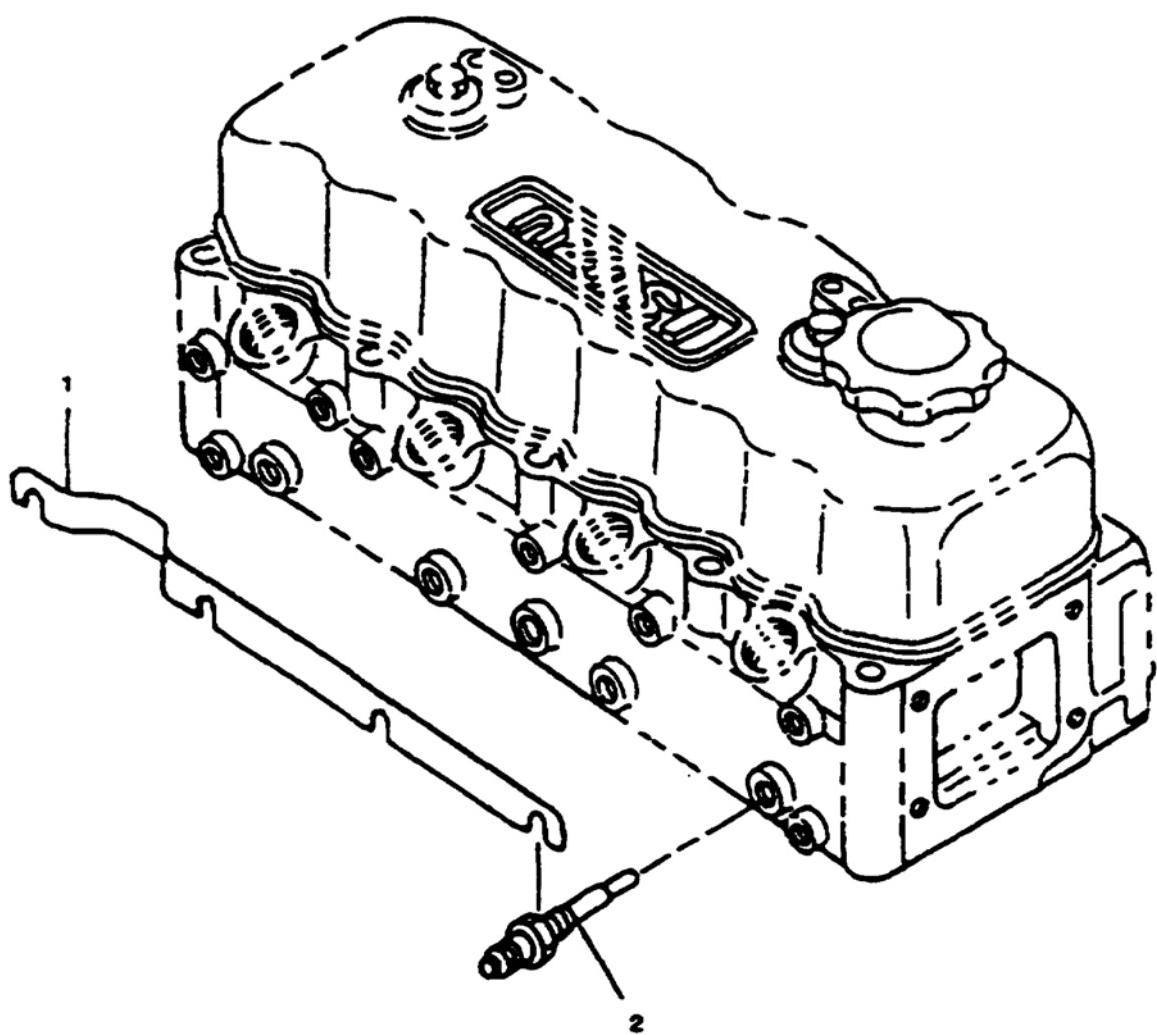


Figure 10. Glow Plugs.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY

**GROUP 05 ELECTRICAL
SYSTEM**

FIG. 10 GLOW PLUGS

1	PAFZZ	PAOZZ	2990-01-262-2653	04627	324603	. BRACKET, ENGINE ACCE	1
2	PAFZZ	PAOZZ	2920-01-360-3314	9M091	982513959	. GLOW PLUG	4

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 05 ELECTRICAL SYSTEM: STARTER

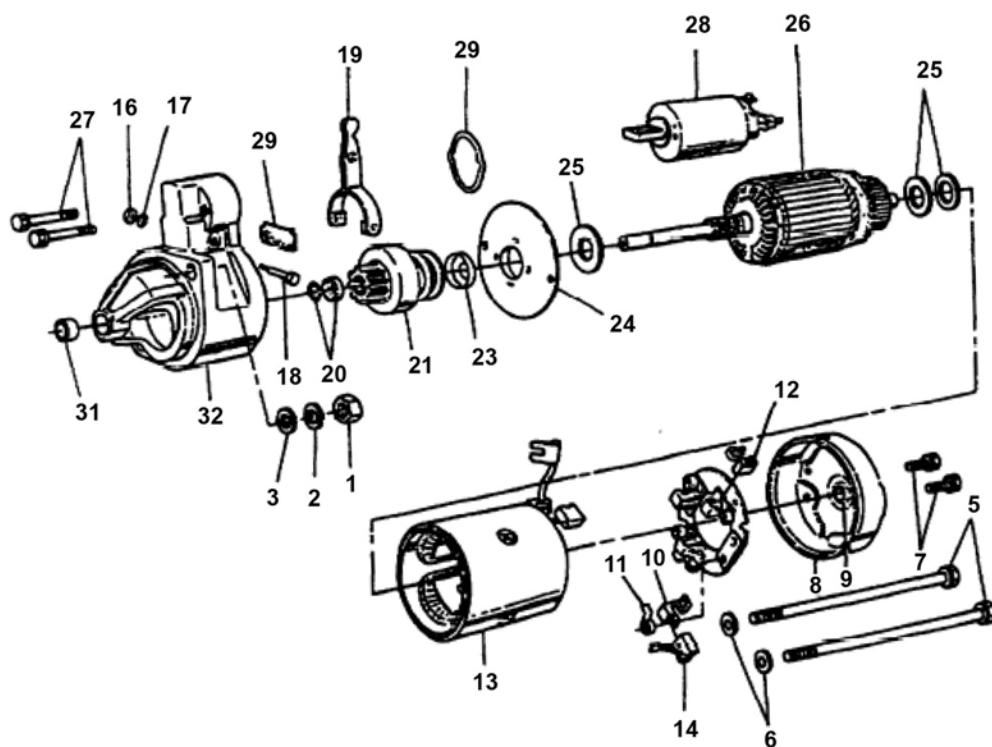


Figure 11. Starter.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
					SMR CODE	
	a.	b.				

**GROUP 05 ELECTRICAL
SYSTEM**

FIG. 11 STARTER

1	PAFZZ	PAOZZ	5310-01-414-4178	4N530	9991105120	. NUT, PLAIN, HEXAGON	2
2	PAFZZ	PAOZZ	5310-01-414-3661	4N530	9091505120	. WASHER, LOCK	2
3	PAFZZ	PAOZZ	5310-01-414-0741	4N530	9091606120	. WASHER, FLAT	2
4	PAFFF	PAOOO	2920-01-385-5341	62786	S25-121A	. MOTOR, ENGINE STARTI "NOT ILLUSTRATED"	1
5	XDFZZ	XB---		62786	2250-3820	. BOLT, THROUGH	2
6	PAFZZ	PAOZZ	5310-01-376-2860	S0226	581129-0730	. WASHER, FLAT	2
7	PAFZZ	PAOZZ	5305-01-381-9841	62786	903910-4120	. SCREW, ASSEMBLED, WA	2
8	PAFZZ	PAOZZ	2920-01-363-4364	S0226	581115-013	. HOUSING, ENGINE DRIV	1
9	PAFZZ	PAOZZ	3120-01-250-2116	3W969	62-81501	. BEARING, SLEEVE	1
10	PAFZF	PAFZF	5977-01-365-5584	S0226	581118-0020	. HOLDER ASSEMBLY, ELE	1
11	PAFZZ	PAOZZ	5360-01-560-9847	S0226	581117-0060	. SPRING, SPIRAL, TORSI	4
12	PAFZZ	PAOZZ	5977-01-561-0860	3W969	68-8130	. BRUSH,ELECTRICAL CO	2
13	PAFZZ	PAOZZ	2920-01-381-8693	30076	561112-0310	. COIL ASSEMBLY, ELECT	1
14	PAFZZ	PAOZZ	5977-01-561-0860	3W969	68-8130	. BRUSH,ELECTRICAL CO	2
15	PAFZZ	PAOZZ	3040-01-301-0405	30076	384091	. LEVER, REMOTE CONTRO "NOT ILLUSTRATED"	1
16	XAFZZ	XA---		62786	ST1	. NUT	1
17	XDFZZ	XA---		62786	ST2	. WASHER, LOCK	1
18	XDFZZ	XA---		62786	ST3	. STUD, PLAIN	1
19	XAFZZ	XA---		62786	ST4	. FORK, SHIFT	1
20	PAFZZ	PAOZZ	5340-01-397-5931	4N530	581124-0010	. STOP, MECHANICAL	5
21	PAFZZ	PAOZZ	2520-01-396-1397	4N530	581123-0170	. CLUTCH ASSEMBLY, FR	1
22	PAFZZ	PAOZZ	2920-01-363-5181	9M091	5-81119-0130	. END BELL, ELECTRICAL "NOT ILLUSTRATED"	1
23	XAFZZ	XA---	3120-01-561-0957	3W969	62-81800	. BEARING,SLEEVE	1
24	XAFZZ	XA---		4N530	581119-0130	. BRACKET	1
25	PAFZZ	PAOZZ	5330-01-360-9289	S0226	581129-0030	. SEAL, PLAIN	3
26	PAFZZ	PAOZZ	2920-01-363-5170	S0226	581121-0400	. ARMATURE, MOTOR	1
27	PAFZZ	PAOZZ	5305-01-395-1862	62786	050040-6450	. SCREW, ASSEMBLED WAS	2
28	PAFZZ	PAOZZ	2920-01-363-5178	S0226	5-81151058-1	. RELAY-SOLENOID, ENGI	1
29	PAFZZ	PAOZZ	5340-01-361-8415	14153	581129-0680	. COVER, ACCESS	1
30	PAFZZ	PAOZZ	2929-01-364-1622	30076	581113-0260	. END BELL, ELECTRICAL "NOT ILLUSTRATED"	1
31	PAFZZ	PAOZZ	3120-01-560-9877	3W969	62-81502	. BEARING, SLEEVE	1
32	XAFZZ	XA---		4N530	581113-0260-1	. CASE	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 05 ELECTRICAL SYSTEM: ALTERNATOR

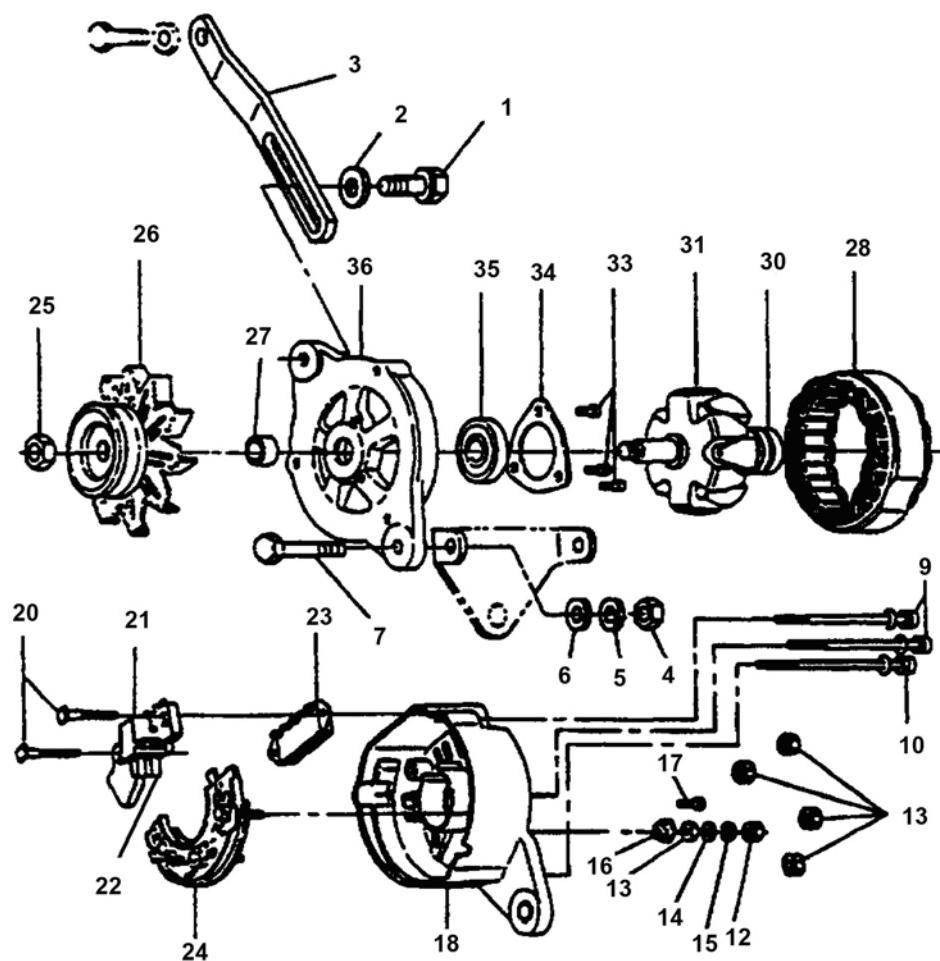


Figure 12. Alternator.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
a.	b.					

**GROUP 05 ELECTRICAL
SYSTEM**

FIG. 12 ALTERNATOR

1	PAFZZ	PAOZ-	5306-01-224-9099	30076	324379	. BOLT	1
2	PAFZZ	PAOZ-	5310-01-360-5961	4F040	9091647080	. WASHER, FLAT	1
3	XDFZZ	XB---		S0226	5136740390	. BRACKET, ANGLE	1
4	PAFZZ	PAOZ-	5310-01-381-0737	4F040	109440-040	. NUT, PLAIN, HEXAGON	2
5	PAFZZ	PAOZ-	5310-01-360-5966	4F040	109985-177	. WASHER, LOCK	2
6	PAFZZ	PAOZ-	5310-01-361-7892	1JY58	9091605080	. WASHER, FLAT	2
7	PAFZZ	PAOZ-	5306-01-361-4586	4F040	901045-840	. BOLT, MACHINE	2
8	PAFFF	PAOO-	6115-01-560-9146	62786	LR220-24	. GENERATOR, DIRECT CU	1
9	XDFZZ	XB---		62786	L125-6801	. SCREW, ASSEMBLED, W	2
10	XDFZZ	XB---		62786	L125-7801	. SCREW, ASSEMBLED, W	1
11	XAFFF	XA---		62786	L220-63001	. COVER, REAR ASSY	1
12	PAFZZ	PAOZ-	5310-01-168-8140	1FH08	DIN934M5	. NUT	1
13	PAFZZ	PAOZ-	5310-01-383-8817	15526	DIN6926 M5	. NUT, SELF-LOCKING, EX	5
14	PAFZZ	PAOZ-	5310-01-232-8491	80204	B1822BS050N	. WASHER, FLAT	1
15	PAFZZ	PAOZ-	5310-12-136-5792	D8286	DIN127-A5-FST-B3	. WASHER, LOCK	1
16	XDFZZ	XB---		62786	NPT5	. INSULATOR	1
17	PAFZZ	PAOZ-	5305-12-185-6163	D8286	DIN933M5X12A2	. CREW, CAP, HEXAGON H	1
18	XDFZZ	XB---		62786	L220-33011	. COVER, REAR	1
19	AFFFF	AOOZ-		62786	L135-23152	. REGULATOR ASSEMBLY	1
20	PAFZZ	PAOZ-	5306-01-382-4201	62786	L135-13134	. BOLT, MACHINE	2
21	PAFZZ	PAOZ-	5977-01-395-1865	4N530	581215-0460	. HOLDER ASSEMBLY, ELE	1
22	PAFZZ	PAOZ-	5977-01-560-9133	3W969	388102	. BRUSH,ELECTRICAL CO	2
23	PAFZZ	PAOZ-	2920-01-397-5289	33JP9	581251-0160	. REGULATOR, ENGINE GE	1
24	PAFZZ	PAOZ-	5961-01-376-4821	S0226	5-81262005-0	. RECTIFIER, SEMICONDU	1
25	PAFZZ	PAOZ-	5310-01-376-2850	62786	B-495469B	. NUT, PLAIN, EXTENDED	1
26	XDFZZ	XB---		62786	L215-55004	. PULLEY FAN ASSEMBLY	1
27	XDFZZ	XB---		62786	NPT7	. SLEEVE	1
28	PAFZZ	PAOZ-	2920-01-362-5694	62786	L220-6200	. STATOR ASSEMBLY, IGN	1
29	PAFFF	PAOZ-	2920-01-397-1166	62786	L220-1100	. ROTOR, GENERATOR	1
30	PAFZZ	PAOZ-	3110-01-252-0446	S0226	894333-5210	. BEARING, BALL, ANNULA	1
31	XAFZZ	XA---		62786	NPT8	. ROTOR	1
32	XDFFF	XB---		62786	L120-14003	. COVER, FRONT ASSY	1
33	PAFZZ	PAOZ-	5305-01-560-9352	62786	L120-10001	. SCREW, ASSEMBLED, W4 MM X 0.7 MM X 12 MM	3
34	XDFZZ	XB---		62786	L135-14042	. RETAINER PLATE, BEA	1
35	PAFZZ	PAOZ-	3110-00-144-8499	28873	BB5-21	. BEARING, BALL, ANNULA	1
36	XAFZZ	XA---		62786	ALT11	. COVER	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 06 CYLINDER HEAD AND CRANKCASE: FRONT GEAR COVER

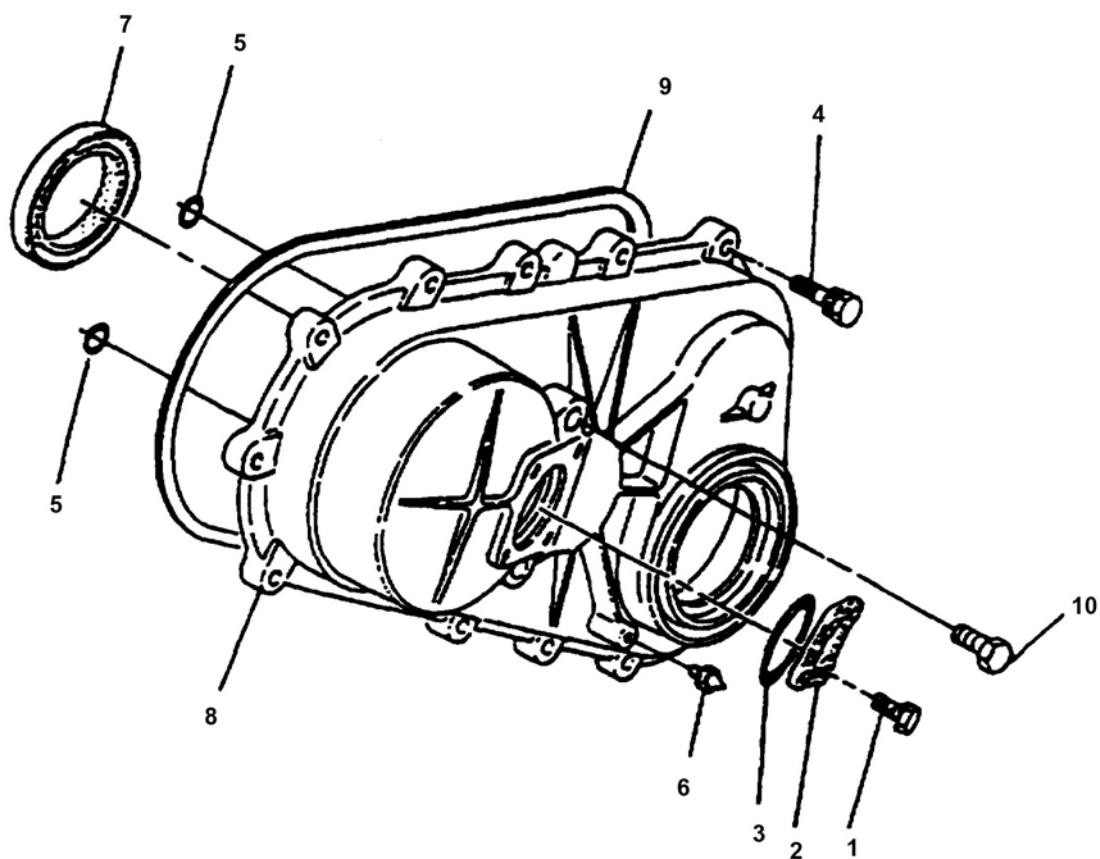


Figure 13. Front Gear Cover.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
SMR CODE						
a. b.						
1	PAFZZ	PAOZZ	5305-01-268-9066	30076	324504	. SCREW, CAP, HEXAGON H
2	XDFZZ	XB---		S0226	9113211480	. COVER, GEAR CASE
3	PAFZZ	PAOZZ	5330-01-361-8992	S0226	9099206010	. SEAL, PLAIN, PART OF KIT P/N 587810-9401
4	PAFZZ	PAOZZ	5306-01-361-8360	S0226	0500408320	. BOLT, MACHINE
5	PAFZZ	PAOZZ	5330-01-361-7914	S0226	9113120460	. O-RING, PART OF KIT P/N 587810-9401
6	PBFZZ	PBOZZ	5355-01-274-2456	04627	324203	. POINTER, DIAL
7	PAFZZ	PAOZZ	5330-01-226-6672	30076	355554	. SEAL, PLAIN ENCASED, PART OF KIT P/N 587810-9401
8	XDFZZ	XB---		S0226	5113110282	. CASE, GEAR, TIMING
9	PAFZZ	PAOZZ	5330-01-361-7913	S0226	9113120340	. O-RING, PART OF KIT P/N 587810-9401
10	PAFZZ	PAOZZ	5305-01-269-7534	S0226	8942059870	. SCREW, ASSEMBLED WAS

**GROUP 06 CYLINDER HEAD
AND CRANKCASE****FIG. 13 FRONT GEAR COVER**

. SCREW, CAP, HEXAGON H	4
. COVER, GEAR CASE	1
. SEAL, PLAIN, PART OF KIT P/N 587810-9401	1
. BOLT, MACHINE	13
. O-RING, PART OF KIT P/N 587810-9401	2
. POINTER, DIAL	1
. SEAL, PLAIN ENCASED, PART OF KIT P/N 587810-9401	1
. CASE, GEAR, TIMING	1
. O-RING, PART OF KIT P/N 587810-9401	1
. SCREW, ASSEMBLED WAS	2

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 06 CYLINDER HEAD AND CRANKCASE: ROCKER COVER AND ARMS

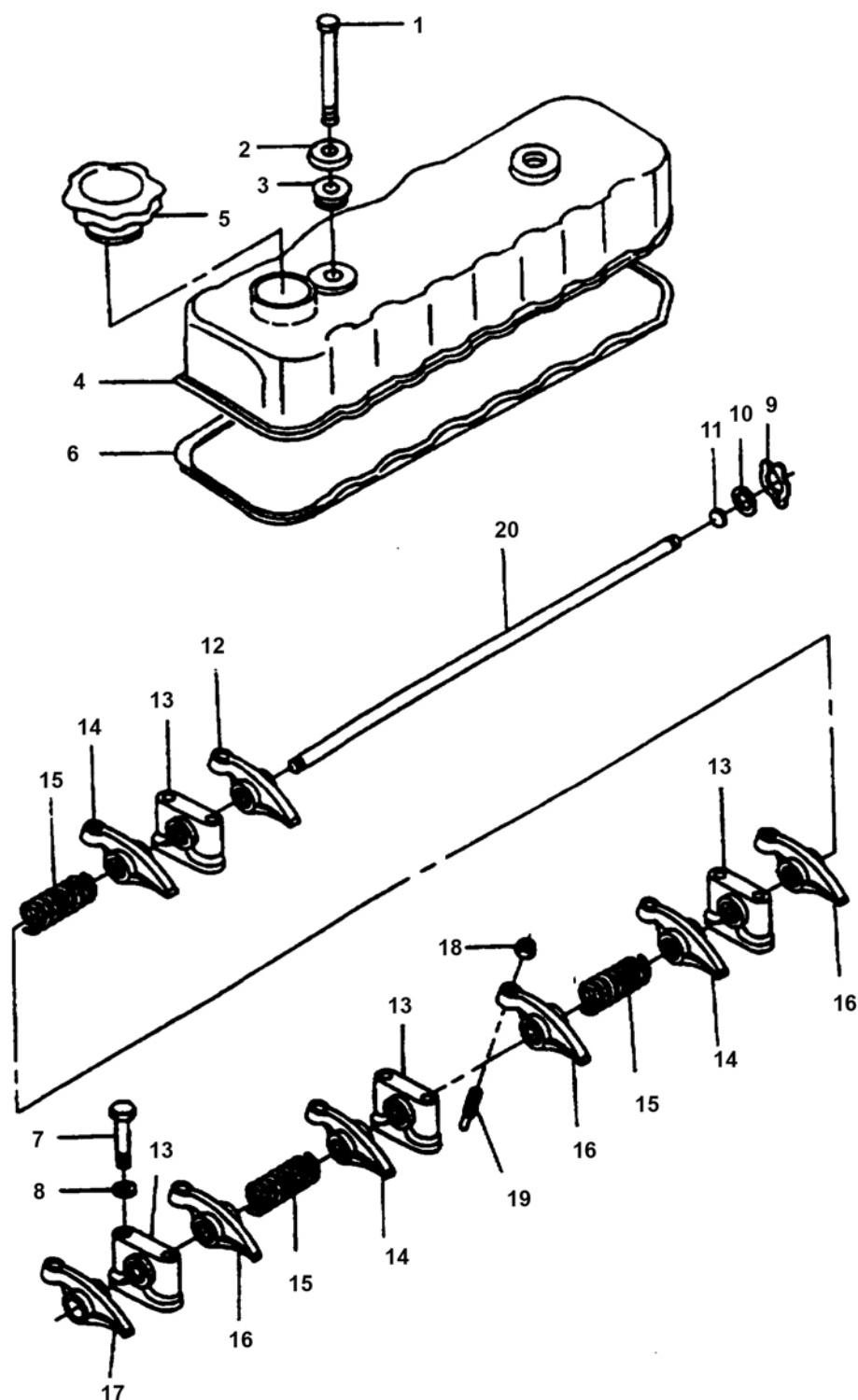


Figure 14. Rocker Cover and Arms.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)
a.	b.					

**GROUP 06 CYLINDER HEAD
AND CRANKCASE**

**FIG. 14 ROCKER COVER AND
ARMS**

1	PAFZZ	PAOZZ	5305-01-267-9286	S0226	5090000960	. SCREW, CAP, HEXAGON H	2
2	PBFZZ	PBOZZ	5310-01-265-2120	04627	324135	. WASHER, RECESSED	2
3	PBFZZ	PBOZZ	5330-01-226-4455	04627	324134	. GASKET, PART OF KIT P/N 587810-9401, KIT P/N 5878101862-2	2
4	PBFOO	PBOZZ	2815-01-414-9430	4N530	8944054641	. COVER, ENGINE POPPET	1
5	PAFZZ	PAOZZ	2590-01-260-0382	S0226	111751005-1	. CAP, FILLER OPENING	1
6	PAFZZ	PAOZZ	5330-01-361-7915	S0226	8944475700	. O-RING, PART OF KIT P/N 587810-9401, KIT P/N 5878101862-2	1
7	PAFZZ	PAOZZ	5306-01-102-2644	21969	MBX50DIN931-8.8	. BOLT, MACHINE	8
8	PAFZZ	PAOZZ	5310-01-265-2108	04627	324259	. WASHER, FLAT	8
9	PAFZZ	PAOZZ	5365-01-361-6807	S0226	9091800190	. RING, RETAINING	2
10	PAFZZ	PAOZZ	5310-01-224-8007	04627	324321	. WASHER	2
11	PAFZZ	PAOZZ	5340-01-265-2246	04627	324316	. PLUG, PROTECTIVE, DUST	2
12	PAFZZ	PAOZZ	2815-01-222-5492	04627	324310	. ROCKER ARM, ENGINE P	1
13	PBFZZ	PBOZZ	3040-01-222-4717	04627	324317	. PLATE, RETAINING, SHA	4
14	PAFZZ	PAOZZ	2815-01-222-5491	04627	324311	. ROCKER ARM, ENGINE P	3
15	PAFZZ	PAOZZ	5360-01-224-9102	30076	324318	. SPRING	3
16	PAFZZ	PAOZZ	2815-01-221-8926	30076	324312	. ROCKER ARM, ENGINE P	3
17	PAFZZ	PAOZZ	2815-01-221-8925	04627	324309	. ROCKER ARM, ENGINE P	1
18	PAFZZ	PAOZZ	5310-01-360-5911	4F040	9091115080	. NUT, PLAIN, HEXAGON	8
19	XDFZZ	XB---		4N530	8941522830	. SCREW, ADJ.	8
20	PBFZZ	PBOZZ	3040-01-222-3752	04627	348462	. SHAFT, ROCKER ARM	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 06 CYLINDER HEAD AND CRANKCASE: CYLINDER HEAD ASSEMBLY

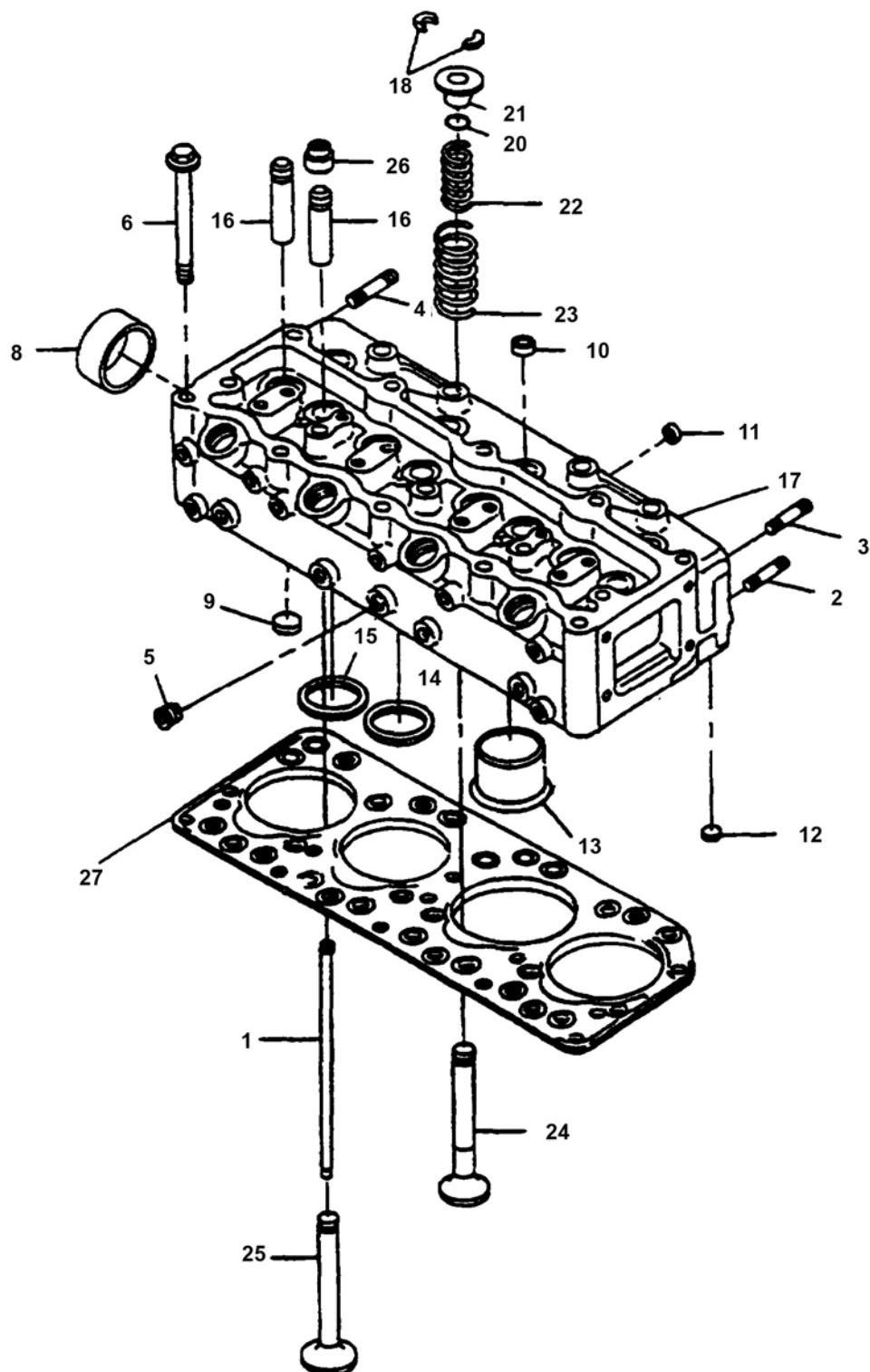


Figure 15. Cylinder Head Assembly.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
						GROUP 06 CYLINDER HEAD AND CRANKCASE	

**FIG. 15 CYLINDER HEAD
ASSEMBLY**

1	PAFZZ	PAOZZ	2815-01-221-7484	61888	Z5125750160	. PUSH ROD, ENGINE POP	8
2	PAFZZ	PAOZZ	5307-01-226-8708	04627	324125	. STUD, PLAIN	3
3	PAFZZ	PAOZZ	5307-01-226-4378	30076	324126	. STUD	3
4	PAFZZ	PAOZZ	5307-01-226-4379	S0226	9041108450	. STUD	1
5	PAFZZ	PAOZZ	4730-01-269-2313	S0226	5096050050	. PLUG , PIPE	1
6	PAFZZ	PAOZZ	5306-01-265-2059	04627	1334663	. BOLT, MACHINE	19
7	PAFFH	PAOOO	2815-01-227-6678	04627	323814	. CYLINDER HEAD, DIESEL "NOT ILLUSTRATED"	1
8	PAFZZ	PAOZZ	5340-01-269-5243	04627	323615	. PLUG, EXPANSION RIGHT REAR, DIA 44 MM	1
9	PAFZZ	PAOZZ	5340-01-265-7264	04627	323816	. PLUG, EXPANSION LOWER, DIA 16 MM	4
10	PAFZZ	PAOZZ	5340-01-265-7263	04627	323817	. PLUG, EXPANSION UPPER, DIA 18 MM	4
11	PAFZZ	PAOZZ	5340-01-266-5116	04627	323818	. PLUG, EXPANSION DIA 12MM	4
12	PAFZZ	PAOZZ	5340-01-265-7271	04627	323819	. PLUG, PROTECTIVE, DUS	4
13	PBFZZ	PBOZZ	5340-01-226-4376	04627	323824	. PLUG	4
14	PAFZZ	PAOZZ	2815-01-222-0793	61888	Z5117150230	. INSERT, ENGINE VALVE INTAKE	4
15	PAFZZ	PAOZZ	2815-01-222-4317	04627	323821	. INSERT, ENGINE VALVE EXHAUST, PART OF KIT P/N 5878101862-2	4
16	PAFZZ	PAOZZ	2815-01-222-1001	04627	323822	. GUIDE, ENGINE POPPET	8
17	XAFZZ	XA---		S0226	5111112000	. HEAD, CYLINDER	1
18	PAFZZ	PAOZZ	2815-01-221-7485	61688	Z5125650040	. LOCK, VALVE SPRING R	16
19	PAFZZ	PAOZZ	2815-01-222-4318	61688	Z5125630160	. INSERT, ENGINE VALVE "NOT ILLUS- TRATED"	8
20	KFFZZ	KFF--	5330-01-421-3133	04627	1369039	. SEAL, PLAIN, PART OF KIT P/N 587810-9401, KIT P/N 5878101862-2	1
21	XAFZZ	XA---		S0266	5125630170	. SEAT, ASSEMBLY	1
22	PAFZZ	PAOZZ	5360-01-250-0562	S0226	5-12562007-0	. SPRING, HELICAL, COMP	8
23	PAFZZ	PAOZZ	5360-01-226-6674	04627	324303	. SPRING, HELICAL, COMP	8
24	PAFZZ	PAOZZ	2815-01-362-5668	S0226	512552-0340	. VALVE, POPPET ENGINE EXHAUST	4
25	PAFZZ	PAOZZ	2815-01-363-5159	S0226	5125510282	. VALVE, POPPET ENGINE INTAKE	4
26	PAFZZ	PAOZZ	5330-01-226-4377	04627	323823	. SEAL, PART OF KIT P/N 587810-9401, KIT P/N 5878101862-2	8
27	KFFZZ	KFF--	5330-01-226-4451	04627	1552967	. GASKET, CYL, HEAD, PART OF KIT P/ N 567810-9401, KIT P/N 5878101862-2	1
28	PAFZZ	PAOZZ	2815-01-381-9068	S0226	5878127130	. REPAIR KIT, DIESEL E	1
						GASKET (Figure 1, Item 18).....	1
						GASKET (Figure 9, Item 11).....	1
						GASKET (Figure 14, Item 3).....	2
						GASKET, CYL HEAD (Figure 15, Item 27).....	1
						INSERT, ENGINE V (Figure 15, Item 15).....	1

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
				O-RING (Figure 14, Item 6)	1	
				SEAL (Figure 3, Item 2)	2	
				SEAL (Figure 3, Item 12).....	2	
				SEAL (Figure 15, Item 26).....	1	
				SEAL, PLAIN (Figure 15, Item 20)	1	
				WASHER (Figure 3, Item 25)	4	
				WASHER (Figure 3, Item 26)	4	

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 06 CYLINDER HEAD AND CRANKCASE: PISTONS, CONNECTING RODS, AND CRANKSHAFT

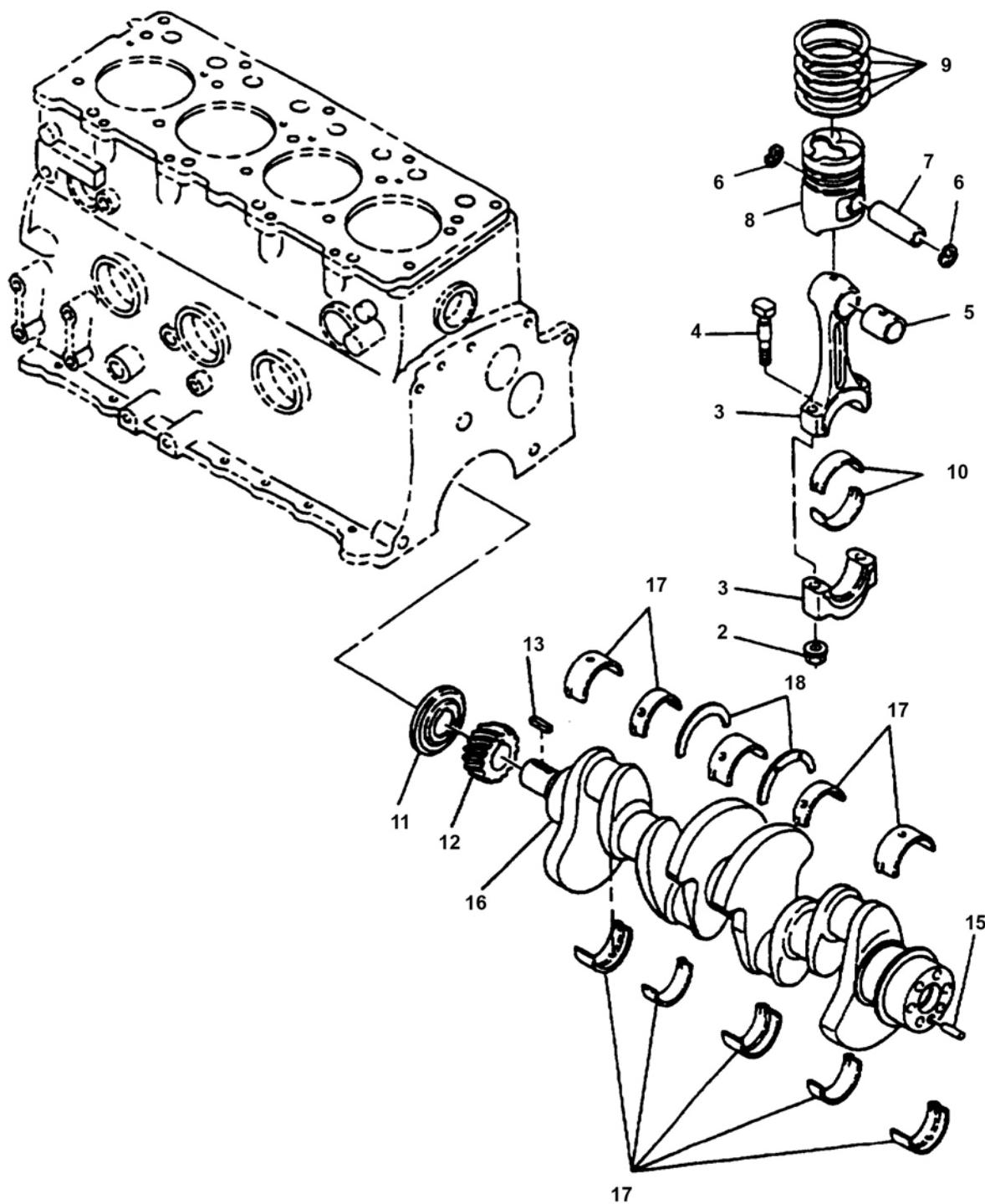


Figure 16. Pistons, Connecting Rods, and Crankshaft.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY

**GROUP 06 CYLINDER HEAD
AND CRANKCASE**

**FIG. 16 PISTONS, CONNECTING
RODS, AND CRANKSHAFT**

1	PAHZZ	PAOZZ	2815-01-360-6518	30076	5122300391	. CONNECTING ROD, PIST "NOT ILLUSTRATED"	4
2	PAHZZ	PAOZZ	5310-01-224-9101	04627	348457	. NUT	2
3	XAHZZ	XA---		S0226	512230-0391-1	. CAP, ROD, BEARING	1
4	PAHZZ	PAOZZ	5306-01-223-6484	04627	348456	. BOLT	2
5	PAHZZ	PAOZZ	3120-01-226-6701	04627	348455	. BEARING, SLEEVE, PART OF KIT P/ N 5878102361	1
6	PAHZZ	PAOZZ	5365-01-226-6698	04627	324271	. RING, RETAINING, PART OF KIT P/N 5878102361	8
7	PAHZZ	PAOZZ	2815-01-222-0250	04627	324270	. PIN, PISTON, PART OF KIT P/N 5878102361	4
8	PAHZZ	PAOZZ	2815-01-222-0403	30076	324268	. PISTON, INTERNAL COM, PART OF KIT P/N 5878102361	4
9	PAHZZ	PAOZZ	2815-01-248-6340	S0226	512121-0070	. RING SET, PISTON, PART OF KIT P/N 5878102361	4
10	PAHZZ	PAOZZ	3120-01-224-8104	04627	362120	. BEARING SET, SLEEVE STANDARD	4
10	PAHZZ	PAOZZ	3120-01-226-6706	04627	362121	. BEARING HALF SET, SL .25 MM UNDERSIZE	4
10	PAHZZ	PAOZZ	3120-01-223-7073	04627	362122	. BEARING SET, SLEEVE SO MM UNDERSIZE	4
11	PBHZZ	PBOZZ	2815-01-222-0266	30076	324285	. DEFLECTOR, DIRT AND	1
12	XDHZZ	XB---	3020-01-222-3826	04627	324284	. GEAR, HELICAL	1
13	PAHZZ	PAOZZ	5315-01-361-5705	S0226	9080307160	. KEY, WOODRUFF	1
14	PAHHH	PAHHH	2815-01-363-2382	4N530	8941421920	. CRANKSHAFT, ENGINE "NOT ILLUS- TRATED"	1
15	PAHZZ	PAOZZ	5340-01-269-2709	04627	324277	. DISK, SOLID, PLAIN	1
16	XAHZZ	XA---		4N530	8941421930	. CRANKSHAFT	1
17	PAHZZ	PAOZZ	3120-01-228-1465	04627	324265	. BEARING HALF SET, SL .25 MM UNDERSIZE	1
17	PAHZZ	PAOZZ	3120-01-224-8103	04627	324266	. BEARING HALF SET, SL .50 MM UNDERSIZE	1
17	PAHZZ	PAOZZ	3120-01-250-3235	S0226	511510-0211	. BEARING SET, SLEEVE STANDARD	1
18	PAHZZ	PAOZZ	3120-01-365-1738	30076	133003	. BEARING, WASHER, THRU	2

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 06 CYLINDER HEAD AND CRANKCASE: CAMSHAFT ASSEMBLY

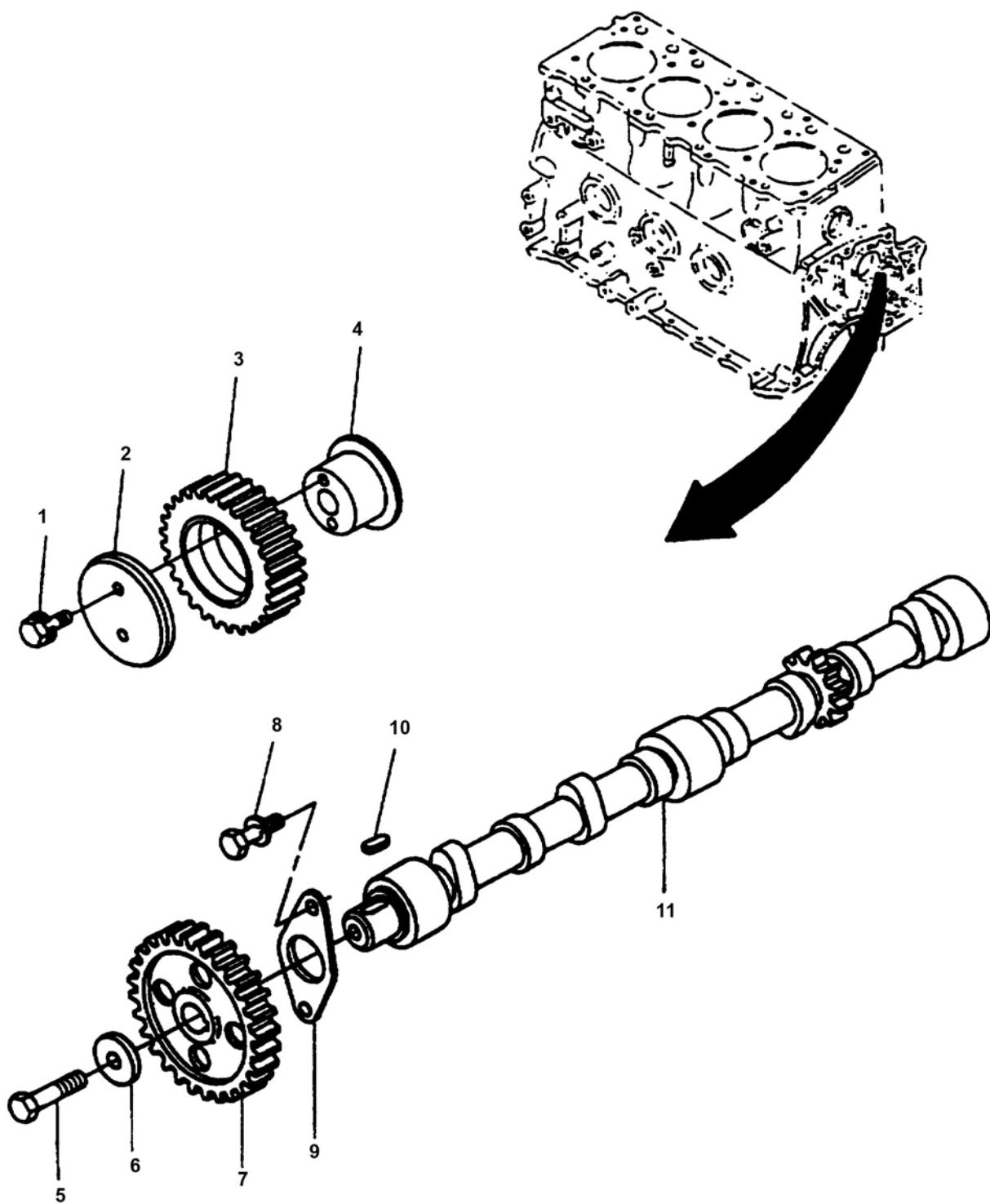


Figure 17. Camshaft Assembly.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
a.	b.				SMR CODE	

**GROUP 06 CYLINDER HEAD
AND CRANKCASE**

FIG. 17 CAMSHAFT ASSEMBLY

1	PAHZZ	PAOZZ	5306-01-361-6941	4F040	894150-045	. BOLT, MACHINE	2
2	PBHZZ	PBOZZ	3010-01-263-7188	04627	324299	. THRUST PLATE, TRANS	1
3	PBHZZ	PBOZZ	3020-01-363-3091	04627	8-97166-030-0	. GEAR, HELICAL	1
4	PAHZZ	PAOZZ	2590-01-262-2677	30076	324297	. ROD, PISTON, LINEAR A	1
5	PBHZZ	XB---	5306-01-265-2061	S0226	5090000690	. BOLT, MACHINE	1
6	PAHZZ	PAOZZ	5310-01-265-6689	30076	324294	. WASHER, FLAT	1
7	PBHZZ	PBOZZ	3020-01-222-4632	30076	324291	. GEAR, HELICAL	1
8	PAHZZ	PAOZZ	5305-01-267-9281	04627	1338410	. SCREW, ASSEMBLED WAS	2
9	XDHZZ	XB---		S0226	9116810101	. PLATE, THRUST, CAM	1
10	PAHZZ	PAOZZ	5315-01-226-8671	04627	324292	. KEY	1
11	PAHZZ	PAOZZ	2815-01-406-1958	S0226	5125110784	. CAMSHAFT, ENGINE	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

GROUP 06 CYLINDER HEAD AND CRANKCASE: FLYWHEEL AND HOUSING

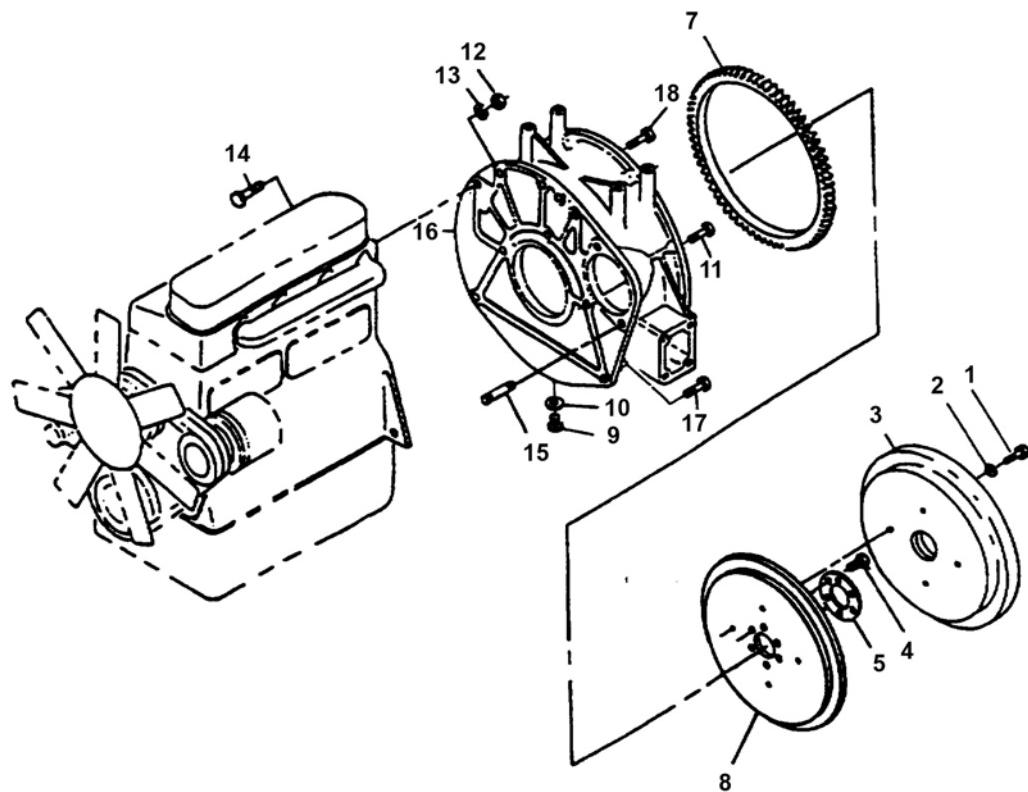


Figure 18. Flywheel and Housing.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)

**GROUP 06 CYLINDER HEAD
AND CRANKCASE**

**FIG. 18 FLYWHEEL AND
HOUSING**

1	PAFZZ	PAOZZ	5306-01-467-5689	S0226	8-97109-673-0	. BOLT, MACHINE	4
2	PAFZZ	PAOZZ	5310-01-361-5719	S0226	9098518660	. WASHER, FLAT	4
3	XDFZZ	XB---		4N530	5123310500	. FLY WHEEL	1
4	PAFZZ	PAOZZ	5306-01-361-6606	4F040	8944339910	. BOLT, MACHINE	6
5	XDFZZ	XB---		4N530	5123366101	. WASHER, FLY WHEEL	1
6	XDFFF	XB---		4N530	5123301080	. FLY WHEEL ASSEMBLY "NOT ILLUSTRATED"	1
7	PBFZZ	PBOZZ	3020-01-362-5712	9M091	9123330361	. GEAR, SPUR	1
8	XAFZZ	XA---		4N530	512330-1080-1	. FLYWHEEL, BASIC	1
9	XDFZZ	XB---	5365-01-265-7189	04627	348427	. PLUG, MACHINE	1
10	XDFZZ	XB---	5339-01-382-5916	S0226	9095714160	. GASKET	1
11	PAFZZ	PAOZZ	5306-01-265-2060	S0226	5090002270	. BOLT, MACHINE	3
12	PAFZZ	PAOZZ	5310-01-254-6368	45152	401.034	. NUT, PLAIN, HEXAGON	1
13	PAFZZ	PAOZZ	5310-01-361-5722	S0226	9091505100	. WASHER, LOCK	1
14	PAFZZ	PAOZZ	5306-01-384-3476	4F040	9096065350	. BOLT, MACHINE	1
15	PAFZZ	PAOZZ	5307-01-265-7140	30076	324222	. STUD, PLAIN	2
16	XDFZZ	XDOZZ		4N530	8970698070	. HOUSING, FLY WHEEL	1
17	PAFZZ	PAOZZ	5306-01-467-4944	S0226	500412320	. BOLT	2
18	PAFZZ	PAOZZ	5306-01-467-5694	S0226	0-28081-030-0	. BOLT	3

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28
GROUP 06 CYLINDER HEAD AND CRANKCASE: CYLINDER BLOCK ASSEMBLY

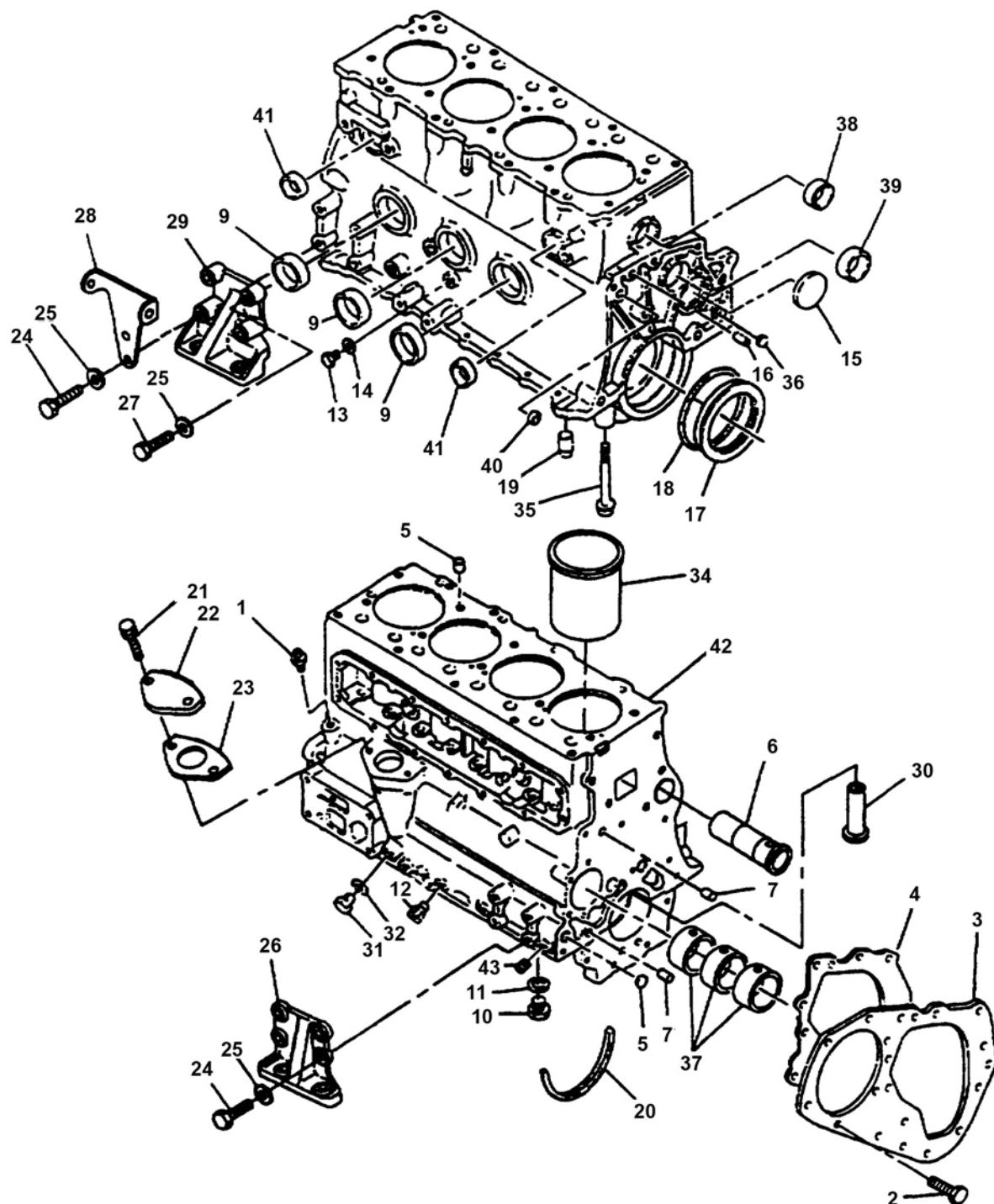


Figure 19. Cylinder Block Assembly.

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)
a.	b.					

**GROUP 06 CYLINDER HEAD
AND CRANKCASE**

**FIG. 19 CYLINDER BLOCK
ASSEMBLY**

1	PAFZZ	PAOZZ	4730-01-221-8816	04627	324154	. FITTING	1	
2	PAHZZ	PAOZZ	5306-01-268-6796	30076	324249	. BOLT, MACHINE	3	
3	XDHZZ	XB---			4N530	9113111530	. PLATE, FRT., CYLINDER	1
4	PAHZZ	PAOZZ	5330-01-226-4450	30076	324152	. GASKET, PART OF KIT P/N 587810-9401	1	
5	XDFZZ	XB---			4N530	8944533440	. DOWEL, CYLINDER BLO	2
6	XDHZZ	XB---			4N530	8944548320	. DUCT, WATER, CYLIND	1
7	XDHZZ	XB--Z			4N530	9081510240	. PIN, STRAIGHT, HEAD	2
8	PAHZZ	PAOZZ	5340-01-265-7264	04627	323816	. PLUG EXPANSION	2	
9	PAHZZ	PAOZZ	5340-01-269-5243	04627	323815	. PLUG, EXPANSION	3	
10	PAFZZ	PAOZZ	5365-01-265-7189	04627	348427	. PLUG, MACHINE THREAD	1	
11	PAFZZ	PAOZZ	5339-01-382-5916	S0226	9095714160	. GASKET	1	
12	PAFZZ	PAOZZ	4730-01-362-5574	04627	1352025	. NIPPLE, PIPE	1	
13	PAFZZ	PAOZZ	5365-01-361-5708	S0226	9092023080	. PLUG, MACHINE THREAD	1	
14	PAFZZ	PAOZZ	5330-01-224-9108	04627	324412	. SEAL, PART OF KIT P/N 587810-9401	1	
15	PAHZZ	PAOZZ	5340-01-361-8366	S0226	8942505140	. PLUG, EXPANSION	1	
16	XDHZZ	XB---			4N530	9081610320	. PIN, STRAIGHT, HEAD	1
17	PAFZZ	PAOZZ	5330-01-361-6958	S0226	8941117500	. SEAL, PLAIN, PART OF KIT P/N 587810-9401	1	
18	XDFZZ	XB---			4N530	9123631121	. SPACER, OIL SEAL	1
19	XDHZZ	XDHZZ			4N530	9098785970	. PIN, DOWEL, PART OF KIT P/N 587810-9401	2
20	PAHZZ	PAOZZ	5330-01-224-9098	04627	324165	. SEAL, PART OF KIT P/N 587810-9401	2	
21	PAFZZ	PAOZZ	5305-01-270-1704	04627	324171	. SCREW, ASSEMBLED WAS	2	
22	XDFZZ	XB---			4N530	9112190930	. COVER, OIL PUMP	1
23	PAFZZ	PAOZZ	5330-01-226-4448	04627	324157	. GASKET, PART OF KIT P/N 587810-9401	1	
24	PAFZZ	PAOZZ	5306-01-388-2096	4F040	026091-025	. BOLT, MACHINE	5	
25	PAFZZ	PAOZZ	5310-01-361-5719	S0226	9098518660	. WASHER, FLAT	8	
26	XDFZZ	XB---			4N530	5117710220	. BRACKET, ANGLE	1
27	PAFZZ	PAOZZ	5306-01-361-4588	4N530	0-28061-040-0	. BOLT, MACHINE	3	
28	PBFZZ	PBOZZ	5340-01-414-2903	1JY58	5197110850	. BRACKET, MOUNTING	1	
29	XDFZZ	XB---			4N530	5117711500	. FOOT, ENGINE, LH	1
30	PAHZZ	PAOZZ	2815-01-222-7733	OLUY9	324307	. TAPPET, ENGINE POPPET	8	
31	PAFZZ	PAOZZ	5365-01-416-6508	4N530	9992023140	. PLUG, MACHINE	1	
32	PAFZZ	PAOZZ	5330-01-414-3713	4N530	894158328	. GASKET	1	
33	PBHHH	PBOOO	2815-01-362-3546	S0226	5112101774	. ENGINE BLOCK ASSEMBLY "NOT ILLUSTRATED"	1	
34	PAHZZ	PAOZZ	2815-01-222-0402	30076	324142	. CYLINDER SLEEVE, PART OF KIT P/ N 5878102361	4	
35	PAHZZ	PAOZZ	5306-01-265-4697	S0226	9098025910	. BOLT, MACHINE	10	
36	PAHZZ	PAOZZ	5340-01-265-7264	04627	323816	. PLUG, EXPANSION	2	
37	PAHZZ	PAOZZ	3120-01-226-6801	04627	324143	. BEARING SET, SLEEVE	1	
38	PAFZZ	PAOZZ	5340-01-265-6749	04627	324139	. PLUG, EXPANSION	1	

(1)	(2)	(3)	(4)	(5)	(6)	(7)	
SMR CODE							
a. b.							
ITEM NO	ARMY NO	AIR FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
39	PAFZZ	PAOZZ	5340-01-266-5117	04627	324140	.. PLUG, EXPANSION	1
40	PAFZZ	PAOZZ	5340-01-266-5116	04627	323818	.. PLUG, EXPANSION	1
41	PAFZZ	PAOZZ	5340-01-265-6748	04627	1456807	.. PLUG, EXPANSION	2
42	XAHZZ	XAHZZ		4N530	511210-1773-1	.. BLOCK, BASIC	1
43	PAHZZ	PAOZZ	4730-01-363-4324	S0226	509605-019	.. PLUG, PIPE	1
44	PAHZZ	PAOZZ	2815-389-0315	S0226	5878102361	. CYLINDER SLEEVE KIT	4
				S0226	587814-5810	. CYLINDER SLEEVE GRADE 1	1
				S0226	587814-5820	. CYLINDER SLEEVE GRADE 2	1
				S0226	587814-5830	. CYLINDER SLEEVE GRADE 3	1
				S0226	587814-5840	. CYLINDER SLEEVE GRADE 4	1
					BEARING, SLEEVE (Figure 16, Item 5)	1	
					CYLINDER SLEEVE (Figure 19, Item 34)	4	
					PIN, PISTON (Figure 16, Item 7)	4	
					PISTON (Figure 16, Item 8)	4	
					RING, RETAIN (Figure 16, Item 6)	8	
					RING SET, PISTON (Figure 16, Item 9)	4	
45	PAHZZ	PAOZZ		587810-9401	. REPAIR KIT, DIESEL E	1	
					GASKET (Figure 1, Item 7)	1	
					GASKET (Figure 1, Item 18)	8	
					GASKET (Figure 4, Item 2)	1	
					GASKET (Figure 5, Item 2)	2	
					GASKET (Figure 5, Item 5)	2	
					GASKET (Figure 6, Item 10)	1	
					GASKET (Figure 8, Item 35)	1	
					GASKET (Figure 9, Item 9)	1	
					GASKET (Figure 9, Item 11)	1	
					GASKET (Figure 14, Item 3)	2	
					GASKET (Figure 19, Item 4)	1	
					GASKET (Figure 9, Item 23)	1	
					GASKET, CYL HEAD (Figure 15, Item 27)	1	
					O-RING (Figure 4, Item 70)	2	
					O-RING (Figure 5, Item 20)	1	
					O-RING (Figure 13, Item 9)	1	
					O-RING (Figure 14, Item 6)	1	
					PIN, DOWEL (Figure 19, Item 19)	1	
					SEAL (Figure 2, Item 2)	2	
					SEAL (Figure 2, Item 7)	2	
					SEAL (Figure 3, Item 2)	2	
					SEAL (Figure 3, Item 12)	2	
					SEAL (Figure 15, Item 26)	8	
					SEAL (Figure 19, Item 14)	1	
					SEAL (Figure 19, Item 17)	2	
					SEAL (Figure 19, Item 20)	1	
					SEAL, PLAIN (Figure 15, Item 20)	1	
					SEAL, PLAIN (Figure 13, Item 3)	1	
					SEAL, PLAIN (Figure 13, Item 7)	1	
					WASHER (Figure 3, Item 25)	4	

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
					WASHER (Figure 3, Item 26)	4

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28
GROUP 07 BULK ITEMS

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
a.	b.					

GROUP 07 BULK ITEMS

1	PAFZZ	PAOZZ	4720-01-302-2944	04627	1456806	. HOSE, NONMETALLIC	1
2	PAFZZ	PAOZZ	4720-01-359-9633	81349	M6000-D-1440	. HOSE, NONMETALLIC	1

END OF FIGURE

FIELD AND SUSTAINMENT MAINTENANCE
DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28
SPECIAL TOOLS LIST

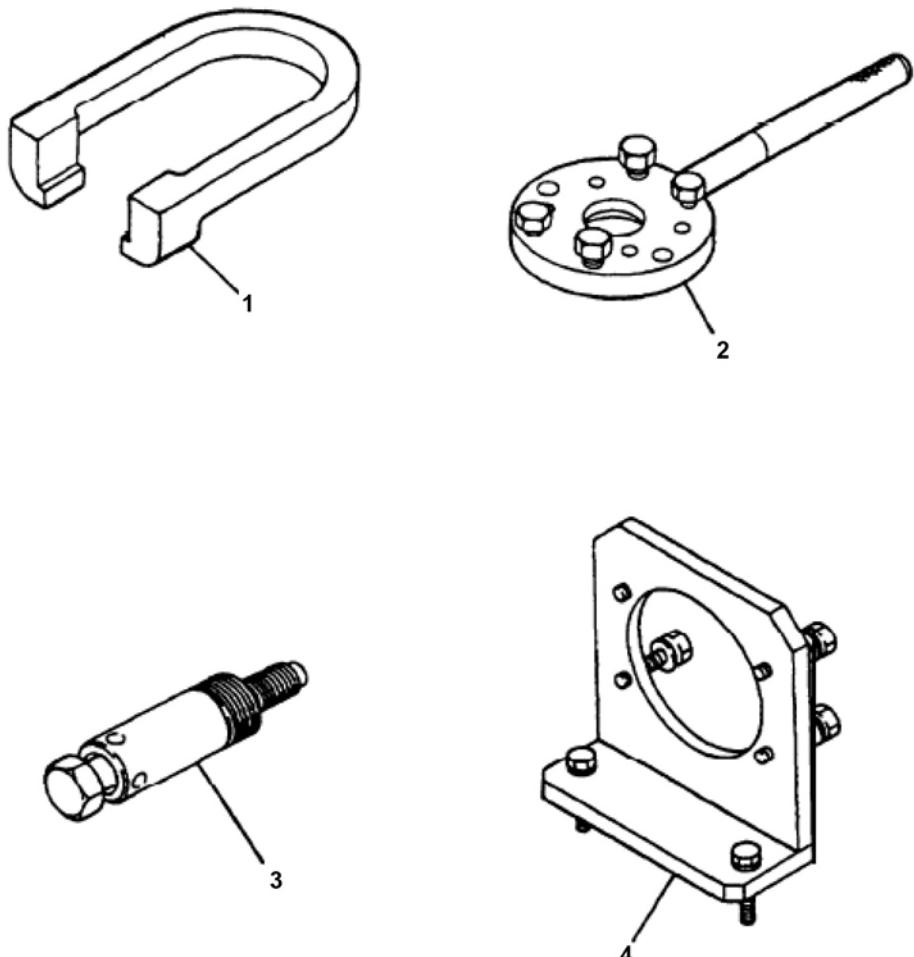


Figure 1. Special Tools (Sheet 1 of 4).

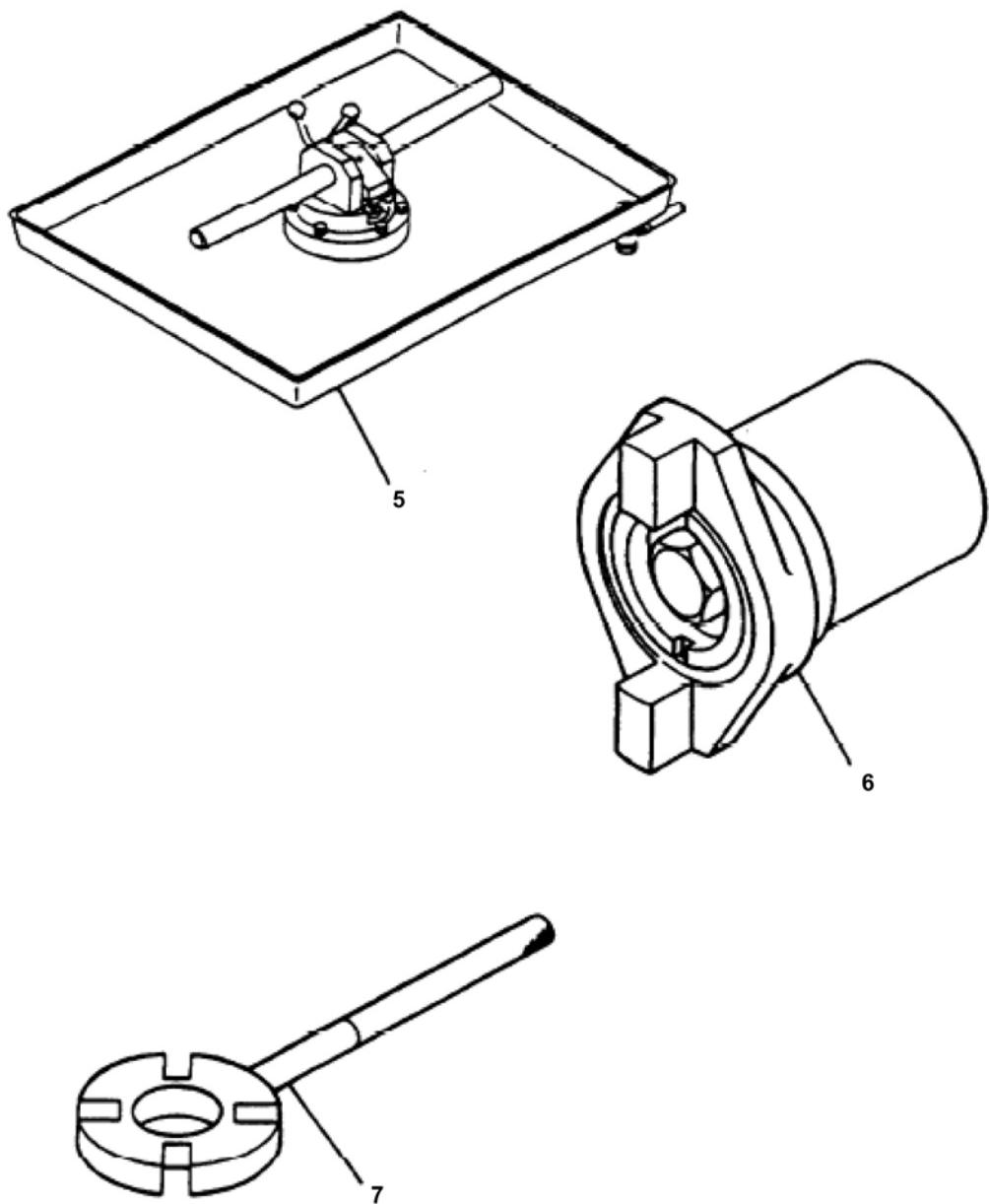


Figure 1. Special Tools (Sheet 2 of 4).

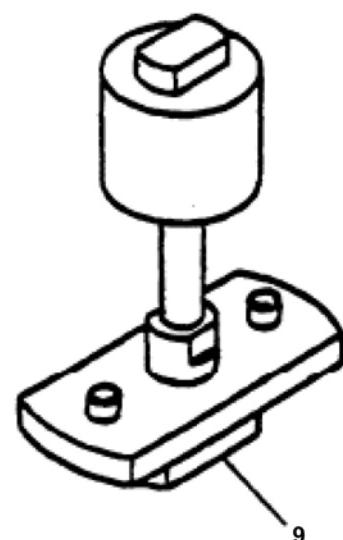
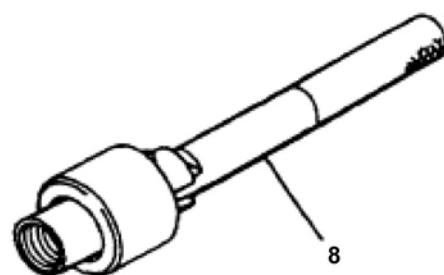


Figure 1. Special Tools (Sheet 3 of 4).

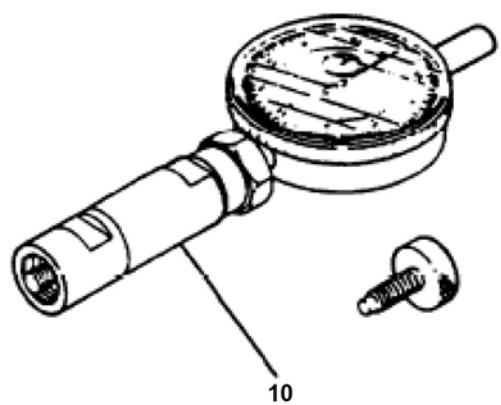


Figure 1. Special Tools (Sheet 4 of 4).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	ARMY FORCE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE (UOC)	QTY
SMR CODE						
a. b.						

GROUP 12 SPECIAL TOOLS**FIG. 1 SPECIAL TOOLS**

1	PEHZZ	PEOZZ	5120-01-390-8345	4N530	57931-4100	. PLUNGER, SPRING HOLD	1
2	PEHZZ	PEOZZ	5120-01-390-7577	4N530	157916-5320	. WRENCH, SPANNER	1
3	PEHZZ	PEOZZ	5120-01-390-8342	4N530	57931-4100	. EXTRACTOR, TIMING DE	1
4	PEHZZ	PEOZZ	5120-01-390-8347	4N530	157944-7820	. BRACKET, PUMP REPAIR	1
5	PEHZZ	PEOZZ	5120-01-390-7570	4N530	157944-6520	. VISE, MULTIPOSITION	1
6	PEHZZ	PEOZZ	5120-01-390-8346	4N530	157842-4420	. COUPLING, INJECTION	1
7	PEHZZ	PEOZZ	5120-01-390-7574	4N530	157916-5420	. WRENCH, SPANNER	1
8	PEHZZ	PEOZZ	5120-01-390-8343	4N530	157920-9620	. EXTRACTOR	1
9	PEHZZ	PEOZZ	5120-01-390-4740	4N530	157924-1620	. INSERTER, FLYWEIGHT	1
10	PEHZZ	PEOZZ	5210-01-390-8341	4N530	105782-6280	. GAGE, CONTROL RACK	1
11	PEHZZ	PEOZZ	5210-01-390-8344	4N530	105782-4020	. GAGE, TAPPET CLEAR	1
12	PEHZZ	PEOZZ	5120-01-398-3999	4N530	5-8522-0013-0	. INSERTER, SEAL INSTALL CRANK-SHAFT FRONT OIL SEAL	1

END OF FIGURE**END OF WORK PACKAGE**

FIELD AND SUSTAINMENT MAINTENANCE
DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28
NATIONAL STOCK NUMBER (NSN) INDEX

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
3110-00-144-8499	12	35	5310-01-224-8007	14	10
5306-01-102-2644	14	7	5330-01-224-8063	4	49
5310-01-168-8140	12	12	5330-01-224-8068	6	10
2910-01-217-3645	3	24	5330-01-224-8070	9	11
6620-01-220-7105	1	13	5330-01-224-8071	9	9
4710-01-221-2214	5	3	3120-01-224-8103	16	17
4710-01-221-5770	3	3	3120-01-224-8104	16	10
4730-01-221-7154	2	8	5330-01-224-9098	19	20
2805-01-221-7364	3	27	5306-01-224-9099	1	15
2815-01-221-7484	15	1		12	1
2815-01-221-7485	15	18	5330-01-224-9100	2	2
4730-01-221-8816	19	1		2	7
2815-01-221-8925	14	17	5310-01-224-9101	16	2
2815-01-221-8926	14	16	5360-01-224-9102	14	15
2815-01-222-0250	16	7	5310-01-224-9104	9	2
2815-01-222-0266	16	11	5310-01-224-9107	3	26
2815-01-222-0402	19	34	5330-01-224-9108	3	2
2815-01-222-0403	16	8		3	12
2815-01-222-0793	15	14	5365-01-224-9109	19	14
2815-01-222-1001	15	16	5340-01-226-4376	4	66
3040-01-222-3752	14	20	5330-01-226-4377	15	13
3020-01-222-3826	16	12	5307-01-226-4378	15	26
2815-01-222-4317	15	15	5307-01-226-4379	15	3
2815-01-222-4318	15	19	5330-01-226-4448	15	4
3020-01-222-4632	17	7	5330-01-226-4450	19	23
3040-01-222-4717	14	13	5330-01-226-4451	19	4
2815-01-222-5491	14	14	5330-01-226-4454	15	18
2815-01-222-5492	14	12	5330-01-226-4455	14	3
4730-01-222-7562	3	1	5310-01-226-6660	3	28
2815-01-222-7733	19	30	5310-01-226-6661	3	25
5306-01-223-6484	16	4	5330-01-226-6672	13	7
3120-01-223-7073	16	10	5360-01-226-6674	15	23

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5330-01-226-6692	5	5	3120-01-250-3235	16	17
5330-01-226-6695	1	7	2910-01-251-2499	4	11
5365-01-226-6698	16	6	3110-01-252-0446	12	30
3120-01-226-6701	16	5	5310-01-254-6368	18	12
3120-01-226-6706	16	10	2590-01-260-0382	14	5
3120-01-226-6801	19	37	2910-01-261-0112	4	6
5315-01-226-8671	17	10	4720-01-261-4182	8	20
3110-01-226-8680	4	64	4730-01-261-6818	8	18
3110-01-226-8681	4	64	2510-01-262-2650	9	15
5330-01-226-8686	4	20	2990-01-262-2653	10	1
5330-01-226-8690	4	73	2590-01-262-2677	17	4
5330-01-226-8691	4	27	2815-01-262-2760	9	7
5330-01-226-8700	4	52	4720-01-262-6271	8	5
5307-01-226-8708	15	2	2590-01-263-3149	8	27
5365-01-226-8764	4	65	2815-01-263-3150	6	17
5365-01-226-8766	4	65	2930-01-263-3162	1	17
5306-01-226-9105	5	4	2990-01-263-3171	2	23
5365-01-227-0612	4	65	2815-01-263-3179	8	34
5365-01-227-0633	4	65	2805-01-263-6472	8	32
5340-01-227-3183	8	17	4730-01-263-7175	8	4
2815-01-227-6678	15	7	3010-01-263-7188	17	2
5365-01-227-9663	4	65	2990-01-263-7230	8	29
5365-01-227-9883	4	65	4730-01-264-3345	4	72
3120-01-228-1465	16	17	2530-01-264-3410	4	56
4820-01-232-5701	5	15	2990-01-264-3412	4	48
5310-01-232-8491	12	14	2805-01-264-3498	4	84
2815-01-248-6340	16	9	4730-01-264-3880	8	6
2910-01-248-6547	3	24	4820-01-264-5571	4	10
4710-01-248-8113	3	5	2910-01-264-5626	4	77
4710-01-249-2118	3	8	4320-01-264-5703	4	15
4710-01-249-2119	3	7	3020-01-264-5709	4	39
4710-01-249-3576	3	6	4320-01-264-8408	4	83
5360-01-250-0562	15	22	2910-01-264-8410	4	19
5330-01-250-1390	3	14	4730-01-264-9460	4	91
5330-01-250-1391	3	22	2910-01-265-0427	4	62
3120-01-250-2116	11	9	5306-01-265-2059	15	6
	11	31	5306-01-265-2060	18	11

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5306-01-265-2061	17	5	5305-01-266-9343	5	8
5306-01-265-2062	8	11		6	13
5310-01-265-2108	14	8	5307-01-266-9757	4	90
5310-01-265-2109	6	16	5330-01-267-1231	8	28
5310-01-265-2110	6	16	5306-01-267-1778	5	6
5310-01-265-2111	6	16	5360-01-267-2931	4	9
5310-01-265-2112	6	16	5340-01-267-2963	4	79
5310-01-265-2113	6	16	5305-01-267-6310	4	51
5310-01-265-2114	6	16	5305-01-267-6470	6	3
5310-01-265-2115	6	16	5360-01-267-6712	4	58
5310-01-265-2116	6	16	5365-01-267-7498	4	18
5310-01-265-2118	8	31	5305-01-267-8470	7	4
5310-01-265-2120	14	2	5330-01-267-9177	4	13
5310-01-265-2121	2	22	5305-01-267-9222	7	2
5330-01-265-2127	4	2	5305-01-267-9223	4	85
5340-01-265-2246	14	11	5305-01-267-9278	8	30
3040-01-265-2608	4	63	5305-01-267-9279	1	10
2940-01-265-2668	5	11	5305-01-267-9281	17	8
5306-01-265-4697	19	35	5305-01-267-9286	14	1
5365-01-265-4921	6	16	5305-01-268-0138	1	5
5365-01-265-4922	6	16	5330-01-268-0159	4	8
5310-01-265-6689	17	6	5360-01-268-1019	4	14
5340-01-265-6748	19	41	4730-01-268-2448	4	7
5340-01-265-6749	19	38	5340-01-268-2652	4	81
5365-01-265-7125	9	14	5306-01-268-6796	6	14
				8	15
5307-01-265-7140	18	15		19	2
5365-01-265-7189	18	9	5365-01-268-6976	4	78
	19	10	5306-01-268-8982	4	74
5340-01-265-7263	15	10	5365-01-268-8993	4	12
5340-01-265-7264	15	9	5305-01-268-9066	4	22
	19	8		4	67
	19	36		13	1
5340-01-265-7271	15	12	5365-01-268-9114	4	78
5340-01-265-7276	8	26	5365-01-268-9115	4	78
5365-01-266-4081	6	16	5365-01-268-9150	4	78
5340-01-266-5116	15	11	5310-01-268-9750	4	78
	19	40			
5340-01-266-5117	19	39	5365-01-268-9151	4	78

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5305-01-268-9758	4	82	5365-01-275-7181	4	78
5365-01-269-0042	4	78	4730-01-280-4081	2	1
5365-01-269-0043	4	78	5365-01-289-4452	4	78
5365-01-269-0044	4	78	3040-01-301-0405	11	15
5365-01-269-1049	4	78	4720-01-302-2944	BULK	BULK
5365-01-269-1050	4	78	2815-01-303-2505	8	24
5365-01-269-1516	4	78	5330-01-305-0239	8	35
4730-01-269-2313	1	14	5310-01-329-6975	8	13
	15	5	4720-01-359-9633	BULK	BULK
5340-01-269-2709	16	15	2920-01-360-3314	10	2
5365-01-269-2713	4	78	5310-01-360-5911	14	18
5365-01-269-2714	4	78	5310-01-360-5961	6	4
5365-01-269-3783	4	78		12	2
5365-01-269-4446	4	78	5310-01-360-5966	9	3
5365-01-269-4448	4	78		12	5
5365-01-269-4449	4	78	2910-01-360-6368	5	10
5365-01-269-4450	4	78	2910-01-360-6369	5	9
5365-01-269-4451	4	78	2815-01-360-6518	16	1
5365-01-269-4452	4	78	5310-01-360-7785	9	4
5365-01-269-4453	4	78	5330-01-360-9289	11	25
5340-01-269-5243	15	8	2910-01-361-0616	3	9
	19	9	5306-01-361-4586	12	7
5310-01-269-6280	4	78	5306-01-361-4588	19	27
5305-01-269-7534	4	1	5307-01-361-4612	9	10
	13	10	5330-01-361-5287	4	89
5305-01-270-0073	4	88	5310-01-361-5702	4	45
5305-01-270-1704	4	23	5315-01-361-5705	16	13
	8	16	5365-01-361-5708	19	13
	19	21	5310-01-361-5718	4	47
4730-01-270-6432	8	1	5310-01-361-5719	18	2
5310-01-270-8920	4	78		19	25
5310-01-271-1003	6	16	5310-01-361-5722	4	46
5310-01-271-7712	8	12		8	22
5340-01-272-4897	8	7		18	13
4030-01-272-7572	3	4	5310-01-361-5723	4	5
5306-01-272-9033	6	11	5365-01-361-5724	4	78
	9	1	5365-01-361-5725	4	78
5355-01-274-2456	13	6	5365-01-361-5726	4	78

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5365-01-361-6567	4	65	3020-01-362-5712	18	7
5365-01-361-6568	4	78	5310-01-362-5934	4	4
5365-01-361-6569	4	78	5310-01-362-5946	2	21
5365-01-361-6570	4	78	3040-01-363-2360	4	30
5306-01-361-6606	18	4	2910-01-363-2375	4	80
5306-01-361-6607	8	25	2815-01-363-2382	16	14
5330-01-361-6633	6	8	4710-01-363-2490	1	11
5365-01-361-6807	14	9	4710-01-363-3041	5	7
5306-01-361-6941	17	1	2910-01-363-3087	2	5
5330-01-361-6958	19	17	3020-01-363-3091	17	3
5310-01-361-7892	9	12	2930-01-363-3096	1	6
	12	6	2815-01-363-3098	9	5
5365-01-361-7899	4	65	4730-01-363-4324	19	43
5330-01-361-7912	4	75	2920-01-363-4364	11	8
5330-01-361-7913	13	9	2815-01-363-5159	15	25
5330-01-361-7914	13	5	4730-01-363-5161	1	8
5330-01-361-7915	14	6	2920-01-363-5170	11	26
5306-01-361-8359	1	1	2920-01-363-5178	11	28
5306-01-361-8360	4	94	2920-01-363-5181	11	22
	6	3	2815-01-364-1519	4	71
	13	4	2929-01-364-1622	11	30
5306-01-361-8362	8	21	5305-01-364-3142	1	16
5340-01-361-8366	19	15	3120-01-365-1738	16	18
5340-01-361-8372	8	2	5977-01-365-5584	11	10
5340-01-361-8415	11	29	2815-01-370-0208	7	3
5306-01-361-8433	1	19	5306-01-376-0730	1	4
5306-01-361-8434	2	20	5310-01-376-2850	12	25
5330-01-361-8991	4	61	5310-01-376-2860	11	6
5330-01-361-8992	13	3	5961-01-376-4821	12	24
5306-01-361-9044	6	5	5330-01-380-9110	2	12
2815-01-362-1753	15	15	5330-01-380-9155	2	10
4820-01-362-3399	8	14	5310-01-381-0737	12	4
2815-01-362-3546	19	33	5330-01-381-1934	6	2
5365-01-362-4406	4	65	5307-01-381-2792	4	50
4730-01-362-5574	19	12	5307-01-381-2821	9	8
4730-01-362-5575	3	21	5305-01-381-2822	6	15
2815-01-362-5668	15	24	2920-01-381-8693	11	13

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
2815-01-381-9068	15	28	2815-01-406-1958	17	11
5305-01-381-9841	11	7	5330-01-413-3723	1	12
5305-01-381-9939	12	33	5330-01-413-3724	5	17
4720-01-382-2845	1	9	4730-01-414-0348	5	1
6115-01-382-3940	12	8	5330-01-414-0691	5	20
5306-01-382-4201	12	21	5310-01-414-0741	11	3
5330-01-382-5915	2	18	5365-01-414-0745	4	65
5339-01-382-5916	18	10	4730-01-414-1259	5	13
	19	11	5340-01-414-2903	19	28
5330-01-383-6787	5	16	5365-01-414-3017	6	7
5330-01-383-8706	4	29	5306-01-414-3019	6	12
5310-01-383-8817	12	13	5330-01-414-3640	5	2
5306-01-384-3476	18	14	5310-01-414-3661	11	2
2910-01-384-5937	4	3	5330-01-414-3709	5	12
2920-01-385-5341	11	4	5330-01-414-3713	19	32
5306-01-388-2096	19	24	5310-01-414-4178	11	1
5365-01-388-5092	6	16	4710-01-414-9304	8	23
2815-01-389-0315	19	44	2815-01-414-9430	14	4
5120-01-390-4740	20	9	5330-01-415-9615	4	54
5120-01-390-7570	20	5	5330-01-416-2968	4	25
5120-01-390-7574	20	7	5365-01-416-6508	19	31
5120-01-390-7577	20	2	5330-01-421-3133	15	20
5210-01-390-8341	20	10	5315-01-467-3123	4	70
5120-01-390-8342	20	3	5306-01-467-4944	18	17
5120-01-390-8343	20	8	5365-01-467-5653	4	65
5210-01-390-8344	20	11	5306-01-467-5689	18	1
5120-01-390-8345	20	1	5306-01-467-5694	18	18
5120-01-390-8346	20	6	4720-01-467-6675	8	3
5120-01-390-8347	20	4	6680-01-472-9712	6	1
5305-01-395-1862	11	27	2940-01-493-4533	5	10
5977-01-395-1865	12	21	5340-01-556-2153	4	24
2520-01-396-1397	11	21	5977-01-560-9133	12	22
5977-01-397-0407	11	14	6115-01-560-9146	12	8
2920-01-397-1166	12	29	5330-01-560-9319	2	14
2920-01-397-5289	12	23	4710-01-560-9321	3	5
5340-01-397-5931	11	20	4710-01-560-9329	2	3
5120-01-398-3999	20	12	5305-01-560-9352	12	33

STOCK NUMBER	FIG.	ITEM
5360-01-560-9847	11	11
3120-01-560-9877	11	31
4710-01-560-9882	3	8
5360-01-560-9887	4	59
5330-01-560-9889	4	69
4710-01-560-9892	3	7
2915-01-561-0259	4	3
5340-01-561-0694	4	60
5330-01-561-0828	4	16
4330-01-561-0833	2	17
4710-01-561-0841	3	6
5977-01-561-0860	11	12
	11	14
3120-01-561-0957	11	23
5306-01-561-1246	2	9
5306-01-561-1338	2	4
5330-01-561-1363	2	16
5310-01-561-1396	2	15
5310-12-136-5792	12	16
5305-12-185-6163	12	17
4820-66-128-5601	8	10

END OF WORK PACKAGE

FIELD AND SUSTAINMENT MAINTENANCE

DIESEL ENGINE, FOUR-CYLINDER, FOUR CYCLE, FUEL INJECTED C-240PW-28

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PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
0022130800	8	19	1156190010	4	31
010805845-0	5	8	1157210040	4	26
	6	13	1157290060	4	4
0130845	1	8	115729-0150	4	25
0-28061-040-0	19	27	1157290380	4	24
0-28081-030-0	18	18	1157590010	4	73
028091-025	19	24	1157610061	4	11
029620-4000	4	16	131116-5920	4	57
050040-614	6	5	13112-0600	4	59
050040-6450	11	27	13117-2500	4	60
0500408320	4	94	131321-1300	4	69
	6	3	133003	16	18
	13	4	1334663	15	6
0500408450	1	1	1338410	17	8
0500410500	1	4	1352025	19	12
050041-232	6	15	1369039	15	20
0500412320	18	17	1376449	3	9
0-50640-820-0	1	16	1452558	9	11
060041-0320	2	4	1456806	BULK	1
105782-4020	20	11	1456807	19	41
105782-6280	20	10	1466649	1	18
109440-040 ZZ	12	4	1552967	15	27
1096232350	6	8	1557026	1	7
1096300820	5	2	157842-4420	20	6
1096750371	5	1	157916-5320	20	2
1096751390	3	11	157916-5420	20	7
109985-177	9	3	157920-9620	20	8
	12	5	157924-1620	20	9
109985179-0	4	5	157926-4220	20	3
1-09985-189-0	11	2	157931-4100	20	1
111751005-1	14	5	157944-6520	20	5
114319-034	9	4	157944-7820	20	4

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
2250-3820	11	5		2	7
292679	8	31	324233	6	16
292680	8	13	324234	6	16
323814	15	7	324235	6	16
323815	15	8	324236	6	16
	19	9	324237	6	16
323816	15	9	324238	6	16
	19	8	324239	6	16
	19	36	324240	6	16
323817	15	10	324241	6	16
323818	15	11	324242	6	16
	19	40	324243	6	16
323819	15	12	324244	6	16
323821	15	15	324245	6	10
323822	15	16	324249	6	14
323823	15	26		8	15
323824	15	13		19	2
324125	15	2	324259	14	8
324126	15	3	324263	7	2
324134	14	3	324265	16	17
324135	14	2	324266	16	17
324139	19	38	324268	16	8
324140	19	39	324270	16	7
32-4142	19	34	324271	16	6
324143	19	37	324277	16	15
324152	19	4	324284	16	12
324154	19	1	324285	16	11
324157	19	23	324291	17	7
324158	8	17	324292	17	10
324165	19	20	324294	17	6
324171	4	23	324297	17	4
	8	16	324299	17	2
	19	21	324303	15	23
324203	13	6	324307	19	30
324222	18	15	324309	14	17
324230	6	17	324310	14	12
324232	2	2	324311	14	14

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
324312	14	16	324456	4	77
324314	9	2	324457	4	78
324316	14	11	324458	4	78
324317	14	13	324459	4	78
324318	14	15	324460	4	78
324321	14	10	324461	4	78
324323	2	23	324462	4	78
324345	5	15	324463	4	78
324351	5	3	324464	4	78
324356	5	5	324465	4	78
324357	5	4	324466	4	78
324362	1	5	324467	4	78
324370	1	13	324468	4	78
324373	1	10	324469	4	78
324379	1	15	324470	4	78
	12	1	324471	4	78
324397	9	9	324472	4	78
324410	3	28	324473	4	78
324411	3	26	324474	4	78
324412	3	2	324475	4	78
	3	12	324476	4	78
	19	14	324477	4	78
324417	3	4	324479	4	78
324420	2	1	324480	4	78
324422	3	3	324482	4	81
324423	3	1	324483	4	79
324425	2	8	324484	4	84
324435	9	15	324485	4	83
324437	9	14	324486	4	82
324441	4	90	324488	4	85
324442	4	91	324490	4	64
324443	4	88	324491	4	64
324446	4	51	324492	4	66
324447	4	52	324494	4	65
324449	4	20	324495	4	65
324450	4	63	324497	4	65
324452	4	58	324498	4	65

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
324501	4	65	374896	5	11
324504	4	22	382485	8	34
	4	67	382486	8	32
	13	1	382487	8	29
324513	4	48	382488	8	26
324514	4	49	382490	8	28
324515	4	39	382493	8	27
324560	4	27	382497	8	20
324561	4	15	382498	8	18
324562	4	14	382502	8	6
324563	4	12	382504	8	5
324564	4	13	382505	8	4
324565	4	19	382507	8	1
324566	4	10	382508	8	7
324568	4	9	382511	8	12
324570	4	7	384091	11	15
324571	4	8	388102	12	22
324572	4	18	388291	8	24
324603	10	1	401.034	18	12
342741	1	17	5090000690	17	5
348427	18	9	5090000870	6	11
	19	10		9	1
348442	8	35	5090000960	14	1
348455	16	5	509000-132	1	19
348456	16	4	5090002270	18	11
348457	16	2	5093020020	9	6
348462	14	20	5096050050	1	14
355554	13	7		15	5
359138	4	56	509605-019	19	43
362120	16	10	5096660100	8	33
362121	16	10	5111112000	15	17
362122	16	10	511210-1773-1	19	42
373657	2	22	5113110282	13	8
373658	7	4	5113190570	4	2
373661	9	7	511510-0211	16	17
373668	4	72	5117710220	19	26
373969	4	6	5117711500	19	29

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
512121-0070	16	9	5156210170	4	71
5122101774	19	33	5156250010	4	55
5122300391	16	1	5156290150	4	65
512230-0391-1	16	3	5156290180	4	65
5123301080	18	6	5156290900	4	65
512330-1080-1	18	8	5156370020	4	86
5123310500	18	3	5156390020	4	45
5123360101	18	5	5156430090	4	80
5123710901	1	20	5157201480	4	21
5125110784	17	11	5157400720	4	30
5125510282	15	25	515749-0070	4	35
512552-0340	15	24	5157490080	4	38
5-12562007-0	15	22	5157490090	4	41
5125630170	15	21	5157490100	4	41
5131200040	7	7	5157490110	4	41
5133111440	5	7	5157490280	4	44
5136740390	12	3	5157490680	4	41
5141111290	9	8	5157490690	4	41
515334-0030	3	13	5157490700	4	41
5153410020	3	18	5157490710	4	41
5153430020	3	17	5157510120	4	17
515411-2160	3	8	5197110850	19	28
515411-2171	3	7	581112-0310	11	13
515411-2180	3	6	581113-0260	11	30
515411-2191	3	5	581113-0260-1	11	32
5156110460	4	87	58-1115-013	11	8
5156110460-6	4	92	581117-0060	11	11
5156120120	4	68	581118-0020	11	10
5156190260	4	78	5-81119-0130	11	22
5156190380	4	65	581121-0400	11	26
515619-0480	4	32	581123-0170	11	21
5156191060	4	78	581124-0010	11	20
5156191070	4	78	581129-0030	11	25
5156191080	4	78	581129-0680	11	29
5156191090	4	78	581129-0730	11	6
5156191100	4	78	5-81151058-1	11	28
5156191360	4	76	58119-0130	11	24

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
581215-0460	12	21	894362-2020	1	12
581251-0160	12	23	894386-5960	4	54
5-81262005-0	12	24	894402-6270	2	3
5-8522-0013-0	20	12	894405-4641	14	4
5878127130	15	28	8944151560	8	9
5878132700	19	44C	894422-3541	3	7
587814-5810	19	44A	894422-3561	3	5
587814-5820	19	44B	8944225210	8	3
5878145840	19	44D	8944339910	18	4
5970367712-1	6	6	8944475700	14	6
62-81501	11	9	8944533440	19	5
62-81502	11	31	8944548320	19	6
62-81800	11	23	8944548520	7	1
68-8130	11	12	8944682440	8	14
	11	14	8-97024607-1	5	10
884422-3531	3	8	8970367712	6	9
884422-3551	3	6	8970387850	5	19
8941117500	19	17	8970439250	6	1
8941145150	3	10	8970698070	18	16
8941145150-1	3	23	897081-4360	4	3
8941288541	5	9	8970887840	5	18
8941401600	8	8	8-97109-673-0	18	1
8941421920	16	14	8-97166-030-0	17	3
8941421930	16	16	8971690151	1	11
8941445880	4	89	897190-3780	4	3
894150-045	17	1	897379805-0	1	6
8941522830	14	19	898087-965-0	5	20
894158328	19	32	9010456380	8	11
894167-8850	5	17	901045-840	12	7
8941711090	4	53	9019006120	5	6
8942059870	4	1	9019606160	8	25
	13	10	9-02041 016-0	8	21
8-94221-411-0	4	70	9020608180	2	20
8942493171	8	10	903910-4120	11	7
8942505140	19	15	904110-825	9	10
8943172581	8	23	9041108450	15	4
894333-5210	12	30	904411-030	4	50

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
9080307160	16	13	909940-3500	2	14
9081510240	19	7	9112190930	19	22
9081610320	19	16	9113111530	19	3
9091115080	14	18	9113120340	13	9
9091505100	4	46	9113120460	13	5
	8	22	9113211480	13	2
	18	13	9116810101	17	9
9091605080	9	12	9117771360	9	13
	12	6	9123330361	18	7
9091606100	4	47	9123631121	19	18
9091606120	11	3	9131008014	7	3
9091645080	2	21	9131130771	7	5
9091647080	6	4	9131401200	7	6
	12	2	9132018030	2	5
9091800190	14	9	913211-6040	2	13
9092023080	19	13	9132126010	2	19
9-0956-2106-0	2	10	913213-0150	2	18
9095714160	18	10	913219-0070	2	9
	19	11	913226-0130	5	13
9095720100	4	75	913231-0230	2	11
9096065350	18	14	9132600562	2	6
9096511440	6	16	9136411250	1	3
9097060370	4	74	9136420770	1	2
9097151060	8	2	9137211322	1	9
9-09801-202-2	6	12	9137211540	*	*
9098025910	19	35	9141416143	9	5
909851-3660	2	15	9153326030	3	19
9098518660	18	2	915339-0560	3	14
	19	25	9153390570	3	16
9098640150	5	14	9153396010	3	15
9098785970	19	19	9153510070	3	21
909920-2430	2	16	915352-0050	3	22
909920-5860	2	12	9153596010	3	20
9099206010	13	3	981225-0330	4	65
909920-6090	6	2	9812350340	4	29
9099208410	5	12	9812411030	4	62
9099209750	5	16	9812450140	4	61

PART NUMBER	FIG.	ITEM	PART NUMBER	FIG.	ITEM
9813150650	4	28	L125-7801	12	10
9813253970	4	93	L135-13134	12	20
9813433050	4	40	L135-14042	12	34
9813435050	4	43	L135-23152	12	19
9813450430	4	41	L215-55004	12	26
9813450440	4	41	L220-1100	12	29
9813450450	4	41	L220-33011	12	18
9813450520	4	34	L220-6200	12	28
9813450720	4	42	L220-63001	12	11
9813453060	4	33	LR220-24	12	8
9813453250	4	36	M6000-D-1440	BULK	2
9813453270	4	36	M8X50DIN931-8.8	14	7
9813453280	4	36	NPT5	12	16
9813453290	4	36	NPT7	12	27
9813453300	4	36	NPT8	12	31
9813453310	4	36	S25-121A	11	4
9813453320	4	36	ST1	11	16
9813453380	4	37	ST2	11	17
9813453400	4	36	ST3	11	18
982513959	10	2	ST4	11	19
990615	3	25	UT6404	2	17
9934905100	8	30	Z5117150230	15	14
9991105120	11	1	Z5125630160	15	19
9992023140	19	31	Z5125650040	15	18
999202-3200	6	7	Z5125750160	15	1
ALT11	12	36	Z-5-15311-006-0	3	24
B1822BS050N	12	14	Z9153150270	3	27
B-495469B	12	25			
BB5-21	12	35			
DIN127-A5-FST-B3A	12	15			
DIN6926 M5	12	13			
DIN933M5X12A2	12	17			
DIN934M5	12	12			
KIT	19	44			
L120-10001	12	33			
L120-14003	12	32			
L125-6801	12	9			

END OF WORK PACKAGE

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For use of this form, see AR 25-30; the proponent agency is OAASA.						30 August 2002	
TO: (Forward to proponent of publication or form) (Include ZIP Code) Commander, US Army C-E LCMC ATTN: AMSEL-LC-LEO-E-ED Fort Monmouth, NJ 07703-5006						FROM: (Activity and location) (Include ZIP Code) Jane Q. Doe, SFC 1234 Any Street Anytown, AL 34565	
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PUBLICATION/FORM NUMBER TM 11-1234-567-14						DATE 16 Sep 2001	TITLE Operator, Field and Sustainment Support Maintenance Manual for Radio, AN/ABC-123
ITEM	PAGE	PARA- GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON	
1	WP0005 PG 3		2			Test or Corrective Action column should identify a different WP number.	
TYPED NAME, GRADE OR TITLE Jane Q. Doe, SFC			TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION 123-4567			SIGNATURE	

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PUBLICATION/FORM NUMBER			DATE		TITLE		
PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED
							RECOMMENDED ACTION
PART III - REMARKS (Any general remarks, recommendations, or suggestions for improvement of publications and blank forms. Additional pages may be used if more space is needed.)							
TYPED NAME, GRADE OR TITLE			TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION			SIGNATURE	

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PUBLICATION/FORM NUMBER						DATE	TITLE
ITEM	PAGE	PARA- GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON	
TYPED NAME, GRADE OR TITLE			TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION			SIGNATURE	

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PUBLICATION/FORM NUMBER				DATE		TITLE		
PAGE NO.	COLM NO.	LINE NO.	NATIONAL STOCK NUMBER	REFERENCE NO.	FIGURE NO.	ITEM NO.	TOTAL NO. OF MAJOR ITEMS SUPPORTED	RECOMMENDED ACTION
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THE METRIC SYSTEM AND EQUIVALENTS

LINEAR MEASURE

1 Centimeter = 10 Millimeter = 0.01 Meters = 0.3937 inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 inches
 1 kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 100 Grams = 2.2 lb.
 1 Cu. Meter = 1,000,000
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

Liquid Measure

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 32.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeter = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Inches
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Centimeters = 35.31 Cu. Feet

TEMPERATURE

$5/9 (\text{°F} - 32) = \text{°C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5 \text{ °C} + 32 = \text{°F}$

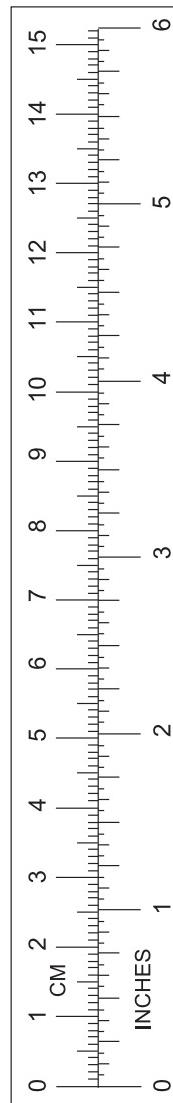
APPROXIMATE CONVERSION FACTORS

TO CHANGE

TO	MULTIPLY BY
Inches.....	Centimeters..... 2.540
Feet.....	Meters..... 0.305
Yards.....	Meters..... 0.914
Miles.....	Kilometers..... 1.609
Square Inches.....	Square Centimeters..... 6.451
Square Feet.....	Square Meters..... 0.093
Square Yards.....	Square Meters..... 0.836
Square Miles.....	Square Kilometers..... 2.590
Acres.....	Square Hectometers..... 0.405
Cubic Feet.....	Cubic Meters..... 0.028
Cubic Yards.....	Cubic Meters..... 0.765
Fluid Ounces.....	Milliliters..... 29.573
Pints.....	Liters..... 0.473
Quarts.....	Liters..... 0.946
Gallons.....	Liters..... 3.785
Ounces.....	Grams..... 28.349
Pounds.....	Kilograms..... 0.454
Short Tons.....	Metric Tons..... 0.907
Pound-Feet.....	Newton-Meters..... 1.356
Pounds per Square Inch.....	Kilo pascals..... 6.895
Miles per Gallon.....	Kilometers per Liter..... 0.425
Miles per Hour.....	Kilometers per Hour..... 1.609

TO CHANGE

TO	DIVIDE BY
Centimeters.....	Inches..... 2.540
Meters.....	Feet..... 0.305
Meters.....	Yards..... 0.914
Kilometers.....	Miles..... 1.609
Square Centimeters.....	Square Inches..... 6.451
Square Meters.....	Square Feet..... 0.093
Square Meters.....	Square Yards..... 0.836
Square Kilometers.....	Square Miles..... 2.590
Square Hectometers.....	Acres..... 0.405
Cubic Meters.....	Cubic Feet..... 0.028
Cubic Meters.....	Cubic Yards..... 0.765
Milliliters.....	Fluid Ounces..... 29.573
Liters.....	Pints..... 0.473
Liters.....	Quarts..... 0.946
Liters-Meters.....	Gallons..... 3.785
Grams.....	Ounces..... 28.349
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Metric Tons.....	Short Tons..... 0.907
Newton-Meters.....	Pound-Feet..... 1.356
Kilo pascals.....	Pounds per Square Inch..... 6.895
Kilometers per Liter.....	Miles per Gallon..... 0.425
Kilometers per Hour.....	Miles per Hour..... 1.609



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